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APRIL, 1940 VOLUME XVII, NO. 4

AMERICAN INSTITUTE OF CHEMISTS

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The CHEMIST

Publication of

THE AMERICAN INSTITUTE OF CHEMISTS, INC.

V. F. KIMBALL, *Editor*, 233 Broadway, New York City

VOLUME XVII APRIL, 1940 NUMBER 4

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THE AMERICAN INSTITUTE OF CHEMISTS
HOWARD S. NEIMAN, *Secretary*
233 Broadway
New York, N. Y.

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1930 George Eastman
1931 Andrew W. and Richard B. Mellon
1932 Charles H. Herty
1933 Henry C. Sherman
1934 James Bryant Conant
1936 Marston Taylor Bogert
1937 James F. Norris
1938 Frederick G. Cottrell

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Student Medals of The American Institute of Chemists

"In recognition of leadership, excellence in scholarship, and character."

CHAPTER AWARDS—1935

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Hillman C. Harris, University of Maryland
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CHAPTER AWARDS—1936

New York Chapter

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Bernard J. Entner, Georgetown University
Joseph A. Grand, Catholic University of America
Leila S. Green, Howard University
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Leonard Smith, University of Maryland

CHAPTER AWARDS—1937

New York Chapter

Jack Diamond, Brooklyn College
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Robert F. Uncles, Rutgers University

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Louis A. Rampino, Canisius College
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CHAPTER AWARDS—1938

New York Chapter

Stanley August, New York University
Alice E. Billman, New Jersey College for Women
Alfred E. Brown, Rutgers University
Saul Chodroff, Brooklyn College
Irving A. Cohen, New York University at University Heights
Robert P. Mull, Fordham University
Mary Noniewicz, College of Saint Elizabeth
Isidore Kirschenbaum, The College of the City of New York
Hubert G. Davis, Columbia University
Thomas G. Wheat, Polytechnic Institute of Brooklyn

Niagara Chapter

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Kenneth Shull, Philadelphia College of Pharmacy and Science

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Robert Crocker Brasted, George Washington University
William Pierce Goodwin, Howard University
Julian Keith Lawson, Jr., University of Maryland
Bernard Gunthel Murray, Georgetown University
Edward Otto Ramler, Catholic University of America
Henry Sonneborn, III, Johns Hopkins University

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Francis J. Fitzpatrick, Fordham University
Kalman Held, Brooklyn College
William S. Horton, Polytechnic Institute of Brooklyn
Jean Lamont, New Jersey College for Women
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CHAPTER AWARDS—1940

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Clarence Denton, New York University at University Heights
Walter Kimel, Rutgers University
David Feldman, College of the City of New York
Henry Feldman, Polytechnic Institute of Brooklyn
Sidney J. Gutcho, New York University, Washington Square College
Jerome Saldick, Brooklyn College
Costantino Enrico Viscione, Newark College of Engineering

Niagara Chapter

Gerhard Hennig, University of Buffalo
George H. Milly, Niagara University

Pennsylvania Chapter

James P. Brussie, Lafayette College
William D. Cooke, St. Joseph's College
Louis Temple Frick, Drexel Institute of Technology
Edmund Kornfeld, Temple University
William K. Mohney, Allegheny College
Harry Nortine, University of Pennsylvania
James F. Ryan, Jr., Lehigh University
Daniel Joseph Troy, Villanova College
Cyrus A. Weisgerber, Franklin and Marshall College
John Milton Young, Philadelphia College of Pharmacy and Science

Washington Chapter

John Tripner Eiker, III, Catholic University of America
John Gordon Erdman, Johns Hopkins University
Benson Edward Gammon, University of Virginia
Werner Max Lilienfeld, The George Washington University
Wendell Maurice Lucas, Howard University
Carroll F. Palmer, University of Maryland
William E. Schaefer, Georgetown University

Constitution and By-Laws

of

The American Institute of Chemists, Inc.

CONSTITUTION

This Constitution consists of the following Articles:

Article I—Name and Objectives
Article II—Membership
Article III—Officers and Manner of Election
Article IV—Directors
Article V—Committees
Article VI—Chapters
Article VII—Amendments
Article VIII—By-Laws

ARTICLE I

Name and Objectives

SECTION 1. The name of this organization shall be The American Institute of Chemists.

SEC. 2. Its objectives shall be to advance the profession of chemistry in the United States of America.

To this end it will:

(1) Provide and enforce a code of principles of professional conduct which merits public esteem and justifies confidence in the integrity of the chemist;

(2) Establish and maintain a standard of proficiency of such excellence as to insure competent and efficient service;

(3) Secure an adequate basic training for the profession, and admit to fellowship in the Institute only those of proved education, experience, competency, and character;

(4) Strive to enhance the prestige and distinction of the profession so as to extend its influence and usefulness;

(5) Establish and maintain a register of its membership in which there will be a complete record of the training, experience, and fitness for service of each individual member;

(6) Seek to improve the economic status of the profession by coöperating with employers to secure a satisfactory appreciation and evaluation of the services of the chemist;

(7) Provide a means for the appropriate recognition of distinguished service to the profession;

(8) Coöperate with all the agencies serving chemistry to make the profession of chemistry a powerful factor in the advancement of intellectual and material progress in the United States of America, to the end that this nation shall assume its rightful place as a leader among the nations of the world in scientific thought and accomplishment;

(9) Lend support to the work of the chemical societies in the education of the public to a better appreciation of the contribution of the chemist to world progress; and

(10) Render such other services to the profession as developments shall warrant and The American Institute of Chemists shall approve.

ARTICLE II
Membership

SECTION 1. The membership of the Institute shall consist of (1) Honorary Members; (2) Life Members; (3) Fellows; (4) Associates; (5) Juniors; (6) Student Members.

SEC. 2. All members of The American Institute of Chemists shall be citizens of the United States of America.

SEC. 3. Student Members shall consist of those who have attained the fourth year in chemistry or chemical engineering in an educational institution of recognized standing.

SEC. 4. Juniors shall consist of those who have received the bachelor's degree, or its equivalent, on completion of four years in chemistry or chemical engineering in an educational institution of recognized standing.

SEC. 5. Associates shall consist of those who have had a minimum of six years of collegiate and post-graduate work in chemistry or chemical engineering, at least two years of which training must be of an advanced nature, or those who can demonstrate to the satisfaction of the Council that they have the equivalent of this educational training as provided in Section 8.

SEC. 6. Fellows shall consist of those who have the qualifications of Associates and an additional five years of experience and responsibility in the practice of the profession. Those who received their academic training prior to 1926 may substitute two years of professional experience for the two years of graduate study.

SEC. 7. Applications for membership shall be made in writing on

the form approved by the Council. These applications shall be submitted to the Council. Approval by the Council, after due investigation shall have been made, shall constitute election of the applicant, and his name shall be placed upon the roll by the Secretary.

SEC. 8. The Council is empowered to consider and accept qualifications other than those above set forth and to provide such means of ascertaining the qualifications of prospective members as it may deem desirable, or as the Institute shall direct.

SEC. 9. Voting power in the Institute shall be vested exclusively in the Fellows. Associates, Juniors, and Student Members may attend all meetings and may have the privilege of the floor. Associates, Juniors, and Student Members shall receive all publications and notices of the Institute.

SEC. 10. The name of any member may be dropped from the roll for failure to pay his dues within a year from date due, or for cause, by a two-thirds vote of the Council, after due notification and an opportunity to be heard has been given him.

ARTICLE III
Officers and Manner of Election

SECTION 1. The officers of the Institute shall be:

a A President, a Vice-president, a Treasurer, and a Secretary.

b A Council composed of the President, Vice-president, Treasurer, and Secretary of the Institute, nine Councilors-at-large, and a representative from each chapter.

c A Board of Directors, composed of the President, Vice-president, Treasurer, and Secretary of the Institute, *ex-officio*, and the nine Councilors-at-large, elected in the manner prescribed in Section 2 of this Article.

The foregoing officers and three Directors or Councilors-at-large shall be elected at the Annual Meeting and shall hold office until their successors have been elected and installed. The chapter representative shall be elected annually by each chapter.

SEC. 2-a. The term of office of the officers shall be two years; that of the nine Directors or Councilors-at-large shall be three years. Vacancies among the Councilors-at-large or among the officers shall be filled by the Council, the Councilor-at-large or officer so appointed to serve until the next Annual Meeting.

SEC. 2-b. The officers, excepting the Secretary, and the nine Directors or Councilors-at-large shall not be eligible to serve more than two successive terms in the same office or capacity.

SEC. 3. The Council shall elect an Executive Secretary who shall also act as an executive officer under the direction of the Council, and who may be the Secretary.

SEC. 4. The Council shall also be empowered to elect or appoint such other agents or employees as may be necessary for the proper conduct of the affairs of the Institute.

SEC. 5. The two immediately preceding past presidents of the Institute shall be *ex-officio* members of the Council.

ARTICLE IV
Directors

SECTION 1. The Directors shall be the legal representatives of the Institute, shall have charge of the property and financial affairs of the Institute and shall perform such duties as are prescribed by law governing directors of corporations. Their meetings shall be held at the call of the President of the Institute, or any three Directors.

ARTICLE V
Committees

SECTION 1. The following regular standing committees shall be elected by the Council:

Professional Education
Ethics
Qualifications

Other committees may be established by the Council or may be authorized by the Institute.

SEC. 2. There shall be a Jury of Medal Award consisting of the President, the three immediately preceding Past Presidents, and the Secretary.

SEC. 3. There shall be a Committee on Nominations consisting of the President and Secretary of the Institute and the Chairmen of all of the Local Chapters.

SEC. 4. The President shall be *ex-officio* a member of all committees.

ARTICLE VI
Chapters

SECTION 1. Local chapters may be established by the Council on written request of ten Fellows residing in the territory in which the local chapter is desired. Each chapter shall elect its own officers

and provide such rules for its government as are not inconsistent with the Constitution and By-laws of the Institute and the general constitution for local chapters approved by the Council. The local chapters shall receive for local use such portion of their annual dues as may be authorized by the Council or directed by the Institute. Any local chapter may be dissolved by the Council when such action shall be deemed to be for the benefit of the Institute.

SEC. 2. Student chapters may be established by the Council as provided in the By-laws.

ARTICLE VII

Amendments

SECTION 1. The Secretary shall submit to the Fellows any proposal to amend the Constitution of the Institute which shall be proposed by ten or more Fellows of the Institute in good standing, or by the Council.

SEC. 2. All such proposals to amend must be submitted in writing to the Secretary of the Institute at least sixty days before the Annual Meeting at which the proposal is to be presented for action.

SEC. 3. A copy of every proposal to amend shall be mailed to every Fellow of the Institute at least thirty days before the Annual Meeting at which it is to be presented for action.

SEC. 4. Every proposal to amend, duly made in the above manner, shall be laid before the Annual Meeting for discussion and vote. If the proposed amendment is approved by a two-thirds vote of the Fellows present, such proposed amendment shall be submitted to mail vote of the Fellows of the Institute for ratification.

SEC. 5. The ratification ballots shall be valid only if received by the Secretary within thirty days from the date of mailing, and approval by two-thirds of the valid votes shall constitute ratification.

ARTICLE VIII

By-laws

SECTION 1. The Council is empowered to adopt such By-laws for the proper government of the affairs of the Institute as do not conflict with this Constitution.

SEC. 2. A By-law must be approved by a majority of those present at two successive Council meetings to become effective. Notice of proposed changes of the By-laws must be incorporated in the call for the second of such Council meetings.

BY-LAWS

These By-laws include the following articles:

Article I—Duties of Officers
Article II—Council
Article III—Audit
Article IV—Committees
Article V—The Medal of The American Institute of Chemists
Article V-2—Student Medals of The American Institute of Chemists
Article VI—Meetings of the Institute
Article VII—Meetings of the Council and Directors
Article VIII—Quorum
Article IX—Nomination and Election of Officers and Councilors
Article X—Dues
Article XI—Use of Title of Fellow and Associate
Article XII—Forfeiture of Membership and Reinstatement
Article XIII—Order of Business
Article XIV—THE CHEMIST

ARTICLE I

Duties of Officers

SECTION 1. It shall be the duty of the President to preside at all meetings of the Council and of the Institute. He shall call meetings of the Institute, of the Directors, or of the Council, when he deems it necessary, or on written request of at least three Directors for a meeting of the Directors, or at least five members of the Council for a meeting of the Council, or of twenty-five Fellows of the Institute for a meeting of the Institute.

SEC. 2. In the absence of the President, the Vice-president or other member of the Council designated by the Council shall preside.

SEC. 3. The duties of the Treasurer and of the Secretary shall be those usually appertaining to such offices. The Secretary, in addition to performing the usual duties of that office, shall discharge such other duties as may be imposed upon him by the Council.

SEC. 4. The duties of the directors are those set forth in Article IV of the Constitution.

ARTICLE II

Council

SECTION 1. It shall be the duty of the Council to act as an advisory board in every matter pertaining to the policy of the Institute, to keep a record of its proceedings and report to the Institute at each Annual

Meeting. The Council shall exercise all functions requisite for the purposes of the Institute.

SEC. 2. The Council shall adopt an annual budget showing the money appropriated for the purposes of the Institute and estimating the revenue for the ensuing year. The budget shall be submitted to the Directors for approval, and upon approval by them shall be considered the budget for the ensuing year. No debts shall be contracted nor money expended without the prior approval of the directors. No payments shall be made by the Treasurer without authority of the Council.

SEC. 3. The Chapter representative to the National Council shall present to and advocate before said Council all matters submitted to him by the Chapter for such presentation. He shall make a full report of such National Council actions as are of interest to the Chapter at each business meeting of the Chapter.

SEC. 4. Any member of the National Council who shall be absent from his duties for three successive meetings without satisfactory excuse in writing shall be declared by the Council to have vacated his office at its next subsequent regular meeting and the Council shall immediately appoint another member of the Institute to fill the office thus vacated until the next annual meeting.

ARTICLE III
Audit

The accounts of the Institute shall be audited by two auditors appointed by the President, who shall report at each Annual Meeting. The books and accounts shall be submitted by the Treasurer for audit at least three days preceding the date of the Annual Meeting.

ARTICLE IV
Committees

SECTION 1. The Committee on Professional Education shall study and formulate an approved curriculum for the study of chemistry and chemical engineering and strive to secure conformity to such curriculum.

SEC. 2. It shall be the duty of the Committee on Ethics to consider such changes as may be desirable in the code of ethics, to investigate all infractions of such code and to present a full statement of findings in instances of infraction to the National Council.

SEC. 3. It shall be the duty of the Qualifications Committee to consider the qualifications of applicants for membership in the Institute.

SEC. 4. It shall be the duty of the Committee on Nominations to notify the Secretary of the Institute, at least ninety days before each

annual meeting, of such Fellows as in its opinion are qualified for each office and councilorship to be filled at the next annual meeting. The Secretary of the Institute shall accompany each nomination blank with a list of such proposed names, with notice that they have been suggested by the Committee on Nominations.

SEC. 5. The duties of all other committees shall be those indicated by the title or by the resolutions under which such committee was constituted.

ARTICLE V

The Medal of The American Institute of Chemists

SECTION 1. A gold medal may be presented by The American Institute of Chemists under the conditions hereinafter set out. This medal shall be known as the medal of The American Institute of Chemists. The date of the founding of the medal shall be 1925, and the founding shall be for the purpose of stimulating activities of service to the science of chemistry or the profession of chemist.

SEC. 2. The Jury of Medal Award of The American Institute of Chemists shall have five members, each of whom, at the time of the award, shall be a member of The American Institute of Chemists. The Jury shall consist of the active President of The American Institute of Chemists, the three immediately preceding eligible Past Presidents of The American Institute of Chemists, and the Secretary of The American Institute of Chemists. Each member shall have but one vote. The senior Past President member of the Jury shall be the Chairman thereof, and the Secretary of The American Institute of Chemists shall be the Secretary of the Jury. Three members shall constitute a quorum. The vote shall be cast by ballot. No votes shall be cast by proxy, but the votes may be taken by mail.

SEC. 3. The award shall be made by a majority vote of the Jury of Medal Award. The award shall be made for noteworthy and outstanding service to the science of chemistry or the profession of chemist in America.

SEC. 4. The Jury of Medal Award shall meet upon call of the chairman.

SEC. 5. The Jury of Medal Award of The American Institute of Chemists shall have power to decide any question or questions not specifically covered by these rules.

ARTICLE V-2

Student Medals of The American Institute of Chemists

SECTION 1. Medals of bronze or other suitable metal may be

presented by The American Institute of Chemists under the conditions set forth hereinafter. These medals shall be known as Student Medals of The American Institute of Chemists and be given in recognition of leadership, excellence in scholarship, and character, for the purpose of stimulating interest in the science of chemistry and the profession of chemist.

SEC. 2. These awards shall be made by the Council of The American Institute of Chemists, upon the recommendation of the respective Chapters.

SEC. 3. The award shall be to a senior who is majoring in chemistry at an educational institution of recognized standing.

SEC. 4. The Council shall determine the number of such awards to be made in each year, and not more than one award shall be conferred in an educational institution in a given year.

SEC. 5. The recipient of the award in each educational institution shall be recommended from the graduating class thereof by the chemistry faculty, in collaboration with the respective Chapter, or in the event that 'a Chapter is not closely located then in collaboration with the Council of The American Institute of Chemists. They shall be guided in their selection equally by scholarship, and by the personal qualities of integrity and leadership.

SEC. 6. The award shall be made preferably at the graduating exercises of the class of the recipient and by a Fellow of the Institute. However, the Council may, in its discretion, arrange the presentation in some other appropriate manner.

SEC. 7. The award of the Student Medal shall carry with it Junior membership in the Institute for one year.

SEC. 8. The cost of the medals shall be borne by the Chapter making the recommendations.

ARTICLE VI

Meetings of the Institute

SECTION 1. There shall be a regular Annual Meeting of the Institute at such time and place as shall be determined by the Council or by vote of the Institute. The fiscal year of the Institute shall end with the thirtieth day of April of each year.

SEC. 2. Notice of each Annual Meeting of the Institute shall be sent to each member at his last known address at least thirty days before each meeting.

SEC. 3. Other meetings of the Institute may be held as provided by the Council, to promote the purposes of the Institute.

SEC. 4. Chapter meetings may be held as may be provided by their own regulations.

SEC. 5. Meetings may be held by Student Members as authorized by the nearest Chapter of the Institute.

ARTICLE VII
Meetings of the Council and Directors

SECTION 1. Regular meetings of the Council shall be held as the members may determine.

SEC. 2. Notice of meeting of the Council shall be sent to each member at his last known address. Such notice shall contain a concise statement of the business to be transacted.

SEC. 3. Special meetings of the Council may be called as provided in Article 1, Section 1, of these By-laws.

SEC. 4. In lieu of a special meeting of the Council, the President may submit any question to the Council for vote by correspondence, and any action approved in writing by not less than two-thirds of the whole membership shall be declared by the President an act of the Council, and shall be recorded in the minutes of the Council.

SEC. 5. Meetings of the Board of Directors shall be held as provided in Article IV of the Constitution. For all meetings of the Board of Directors, notice shall be given by the Secretary to the members of said board at least one week prior to the date of said meetings and the notice of said meeting or meetings shall contain a statement of the business to be transacted.

ARTICLE VIII
Quorum

SECTION 1. Twenty-five Fellows of the Institute shall constitute a quorum for the transaction of any business duly presented at any meeting of the Institute.

SEC. 2. Five members of the Council shall constitute a quorum of the Council.

SEC. 3. Seven Directors shall constitute a quorum for all meetings of the Board of Directors.

ARTICLE IX
Nomination and Election of Officers and Councilors

SECTION 1. Nomination blanks shall be sent by the Secretary to all Fellows at least sixty days preceding each Annual Meeting. These blanks shall indicate the positions to be filled, and must be returned within fourteen days thereafter. The returned blanks shall be canvassed

by two tellers appointed for that purpose by the President, who shall certify the list of nominees to the Secretary.

SEC. 2. For the election of officers, the Secretary shall prepare and send to each Fellow, at least thirty days before the Annual Meeting, a ballot containing a list of three nominees for each position to be filled, arranged in the order of the number of nominating votes. For the election of Directors or Councilors-at-large the ballot shall contain the names of nominees, in twice the number to be elected, for each group to be filled, arranged in order of the number of nominating votes. Ballots must be returned within twenty days thereafter.

The ballot shall be counted by two tellers appointed for that purpose by the President, and the results shall be certified to the Council. The person receiving the highest number of votes for each position shall be declared elected. In case of a tie vote the decision shall be made by ballot at the Annual Meeting.

ARTICLE X
Dues

SECTION 1. The following shall be the annual dues: Fellows, $5.00; Associates, $3.00; Juniors, $2.00; Student Members, $2.00.

The fee for Life Members shall be $100.00, said fee to be set aside and distributed to the common fund of the Institute according to the decision of the Council.

SEC. 2. All dues must be paid on or before May first of each year, or at the date of election to membership.

SEC. 3. No member shall be entitled to vote at any meeting when his dues shall be sixty days in arrears.

SEC. 4. Life Members and Fellows, when elected, shall be entitled to a certificate setting forth that he or she is a Life Member or Fellow of the Institute, but no certificate shall be issued in advance of the receipt of dues for the current year. Certificates of membership must be returned to the Council upon termination of membership for any cause except death.

ARTICLE XI
Use of Title of Fellow and Associate

SECTION 1. Life Members and Fellows of the Institute shall be entitled to describe themselves as Fellows of The American Institute of Chemists (F.A.I.C.) and Associates, as Associates of The American Institute of Chemists (A.A.I.C.).

ARTICLE XII
Forfeiture of Membership and Reinstatement

SECTION 1. A person whose membership shall have been forfeited for non-payment of dues or other sum due by him to the Institute may be reinstated on such terms and conditions as the Council may impose.

SEC. 2. A Life Member or Fellow or an Associate renders himself or herself liable to expulsion by the Council sitting as trial board if he or she transgresses any of the rules and regulations of the Institute.

ARTICLE XIII
Order of Business

SECTION 1. At all regular meetings of the Council and of the Institute the order of business shall be as follows:

a. Approval of minutes of previous meeting
b. Report of Secretary
c. Report of Treasurer
d. Report of committees
e. Unfinished business
f. Special business
g. New business

SEC. 2. The rules of parliamentary procedure contained in *Robert's Rules of Order* shall govern all meetings of the Council and Institute.

ARTICLE XIV
THE CHEMIST

The official publication of the Institute shall be called THE CHEMIST. The Editor shall be appointed by the Council.

THE CHEMIST shall be issued monthly.

The subscription fee to THE CHEMIST shall be two dollars ($2.00), a year from Members and other subscribers.

Code of Ethics

The American Institute of Chemists

THE profession of chemistry has become an increasingly important factor in the progress of civilization, and in the welfare of the community. Chemists are entitled to the position and authority which will enable them to discharge their responsibilities properly and to render effective service to humanity. In order that the honor and dignity of the profession be advanced and maintained, THE AMERICAN INSTITUTE OF CHEMISTS has prepared the following code to define the rules of professional conduct and ethics, binding on its members.

1. Every individual, on entering the profession of chemistry and thereby becoming entitled to full professional fellowship, incurs an obligation to advance the science and art of chemistry, to guard and uphold its high standard of honor, and to conform to the principles of professional conduct.

2. It is the duty of a chemist to bear his part in sustaining the laws, institutions, and burdens of his community.

3. The chemist shall not knowingly engage in illegal work or coöperate with those who are so engaged.

4. A chemist shall carry on his professional work and act in a strict spirit of fairness to employers, contractors, and clients, and in a spirit of personal helpfulness and fraternity toward other members of the chemical profession.

5. He shall refrain from associating with or allowing the use of his name by any enterprise of questionable character.

6. Advertising matter containing his name shall be dignified in tone and characterized by due scientific restraint. Such advertising matter shall not contain any statements which may tend to bring himself or his profession into disrepute. Equivocal or false statements, or statements which are liable to mislead shall not be permitted. The use of personal photographs or self-laudatory statements is condemned. If a title is used, it must be definitely characterized.

7. He shall coöperate in upbuilding the profession by exchanging general information and experience with his fellow chemists, and by contributing to the work of technical societies and the technical

press, where such information does not conflict with the interests of his client or employer. It is very desirable that the first publication regarding inventions or other scientific advances be made through the technical societies and technical publications and not through the public press. Care shall be taken that credit for technical work be attributed as far as possible to the real authors of the work.

8. If in his opinion, work requested of him by clients or employers seems to present improbability of successful results, he shall so advise before undertaking the work.

9. He shall be conservative in all estimates, reports, testimony, etc., and especially so if these are in connection with the promotion of a business enterprise.

10. He shall not accept compensation, financial, or otherwise, from more than one interested party without the consent of all parties concerned, and shall not accept commissions from outside parties on sales to his client or employer without their knowledge. He is, however, in no way debarred from accepting employment from more than one employer where there is no conflict of interests.

11. He shall not use any unfair, improper, or questionable methods of securing professional work or advancement, and shall decline to pay or accept commissions for securing such work.

12. He may use all honorable means in competition to secure professional employment but shall not, by unfair means, injure directly or indirectly the professional reputation, prospects, or business of a fellow chemist; and shall not attempt to supplant a fellow chemist after definite steps have been taken toward the latter's employment.

13. He shall not knowingly accept employment by a client or employer as substitute while the claim for compensation or damage, or both, of a fellow chemist previously employed by the same client or employer and whose employment has been terminated, remains unsatisfied, or until such claim has been referred to arbitration, or issue has been joined at law, or unless the chemist previously employed has neglected to press his claim legally.

14. He shall be diligent in exposing and opposing such errors and frauds as his special knowledge enables him to recognize.

15. Any infractions of these principles of professional conduct, coming to his attention, shall be reported to the Ethics Committee of THE AMERICAN INSTITUTE OF CHEMISTS.

16. He shall not attempt to compete with a fellow chemist on the basis of professional charges, by reducing his usual charges in order to underbid, after being informed of the charges named by the competitor.

17. He shall not accept any engagement to review the professional work (except journal articles and similar scientific publications, and in litigation) of a fellow chemist without the knowledge of such chemist, or unless the connection of such chemist with the work has been terminated.

18. When undertaking work for a client or employer, he should enter into an agreement regarding the ownership of any and all data, plans, improvements, patents, designs, or other records which he may develop or discover while in the employ of such a client or employer. This agreement should include a restriction of the use of reports for advertiseing purposes. In the absence of a written understanding the following principles are held to apply:

a If a chemist uses information obtainable only from his client or employer which is not common knowledge or public property, any results in the form of designs, plans, inventions, processes, etc., shall be regarded as the property of the employer.

b If a chemist uses his own knowledge or information or data which by prior publication or otherwise are public property, then the results in the form of designs, plans, inventions, processes, etc., remain the property of the chemist, and the client or employer is entitled to their use only in the case for which the chemist was retained.

c All work and results accomplished by the chemist outside of the field for which he was employed or retained are the property of the chemist.

d Special data or information obtained by a chemist from his client or employer or which he creates as a result of such information, are to be considered confidential, and while it is ethical to use such data or information in his practice as forming part of his professional experience, its publication without permission is improper.

e He shall not suppress information or unduly accentuate statements in reports for the purpose of making gain or profit to himself or others.

19. He shall as far as possible in consulting work fix fees at a point high enough to warrant complete and adequate service. Unreasonably

low charges for professional work tend toward inferior and unreliable work. In fixing fees it is proper for him to consider:

a The time and labor involved, the novelty and difficulty of the matter, and the experience and skill necessary.

b Whether the employment precludes other employment in similar lines or will involve the loss of other business while engaging in the particular work.

c Customary charge of chemists for similar services.

d The magnitude of the matter involved, and the benefits resulting to the client from the services.

e The character of the employment, whether casual or for an established and constant client.

20. While it is desirable that chemists engaged in teaching and research should be permitted to use their special knowledge and skill in direct service to individual clients, it is prejudicial to the welfare of the profession for such services to be rendered at rates which ignore ordinary costs of equipment, supplies, and overhead expenses.

21. Having established a fair fee and billed same to a client, he should oppose any effort of a client to have such fee reduced without real and sufficient cause. Wherever compatible with self-respect and the right to receive a reasonable recompense for services rendered, controversies with clients regarding compensation are to be avoided. There should, however, be no hesitation to apply to the courts for redress to prevent injustice, imposition, or fraud.

Roster of Membership

(as of April, 1940)

HONORARY MEMBERS

John J. Abel (1928), *Deceased*
Otto P. Amend (1935), *Deceased*
Leo H. Baekeland (1931)
Wilder D. Bancroft (1937)
William Wallace Buffum (1937)
Charles F. Chandler (1923), *Deceased*
Frank W. Clarke, (1928), *Deceased*
William Foster (1936), *Deceased*
Edward C. Franklin (1931), *Deceased*
Moses Gomberg (1936)
James F. Kendall (1928)
George C. Lewis (1937), *Deceased*
William McPherson (1931)
A. Cressy Morrison (1937)
Charles E. Munroe (1924), *Deceased*
Ira Remsen (1924), *Deceased*
Edgar F. Smith (1924), *Deceased*
William H. Walker (1933), *Deceased*
Harvey W. Wiley (1928), *Deceased*

A

Aaronson, Henry A.
(1928),* *Associate Chemist,* United States Ordnance Department, Picatinny Arsenal, Dover, N. J.

Abson, Gene
(1938), *Director, Chief Chemist,* Chicago Testing Laboratory, Inc., 536 Lake Shore Drive, Chicago, Ill.

Acaster, Horace D.
(1928), *Manager and Director,* South African Cyanamid (Pty) Ltd., P. O. Box 101, Witbank, Transvaal, Union of South Africa.

Acree, Salomon F.
(1939), *Section Chief,* National Bureau of Standards, Washington, D. C.

Adams, Clyde S.
(1938), *Chairman,* Chemistry Department, Antioch College, Yellow Springs, Ohio.

Adams, Frederic H.
(1934), *Research Chemist,* Calco Chemical Company, Inc., Bound Brook, N. J.

Adams, J. Richard
(1939), *Associate Chemist,* Bureau of Agricultural Chemistry and Engineering, U. S. Department of Agriculture, Washington, District of Columbia.

Adams, J. Rivers
(1938), *Production Superintendent and Manager,* The Warner Chemical Company, 405 Lexington Avenue, New York, N. Y.

Adams, Pierrepont
(J.1937), *Chemist,* American Cyanamid Company, Stamford, Conn.

Adler, Edward
(J.1935), Address Wanted.

Adler, Howard
(1939), *Chief Chemist,* Victor Chemical Works, Chicago Heights, Illinois.

Ahlbeck, Harry W.
(1936), *Chief Engineer,* Bakelite Corporation, Bound Brook, N. J.

Albright, Penrose S.
(1938), *Professor and Chairman,* Division of Natural Science, Southwestern College, Winfield, Kans.

Alexander, Jerome
(1927), *Consulting Chemist and Chemical Engineer,* 50 East 41st Street, New York, N. Y.

Allen, Austin O.
(1935), *Superintendent,* A. C. Horn Company, 43-42 10th Street, Long Island City, N. Y.

Allen, Bruce B.
(A.1939), *Post-doctorate Fellow,* Mellon Institute of Industrial Research, Pittsburgh, Penna.

Allen, Edward R.
(1936), *Technical Director Pigment Colors,* E. I. du Pont de Nemours and Company, Krebs Pigments Department, Newark, N. J.

Allen, Ivey, Jr.
(1936), *Research Chemist,* Bakelite Corporation, Bloomfield, N. J.

Allen, Paul, Jr.
(1936), *Associate Professor of Chemistry,* Lynchburg College, Lynchburg, Virginia.

Alles, Gordon A.
(1938), *Chemical Research,* 770 South Broadway, Pasadena, Calif.

Allison, Vernon C.
(1923), *Assistant Chief Chemist,* Picatinny Arsenal, Dover, N. J.

Allmuth, Frank S.
(1937), *Chief Supervisor,* E. I. du Pont de Nemours and Company, Inc., Buffalo, New York.

Amick, Chester Albert
(1935), *Research Chemist,* Calco Chemical Company, Bound Brook, New Jersey.

Anderegg, F. O.
(1938), *Consulting Specialist on Building Materials,* Newark, Ohio.

Anderson, Ernest
(1938), *Head,* Department of Chemistry, University of Arizona, Tucson, Arizona.

Anderson, Myron S.
(1936), *Chemist,* Bureau of Agricultural Chemistry and Engineering, U. S. Department of Agriculture, Washington, D. C.

Anderson, R. S.
(1936), *Technical Assistant,* Bakelite Corporation, River Road, Bound Brook, N. J.

Anderson, Roy B.
(1936), *Secretary,* Brooklyn Varnish Manufacturing Company, 35 Nostrand Avenue, Brooklyn, N. Y.

Anderson, Winslow S.
(1939), *Dean of College and Professor of Chemistry,* Rollins College, Winter Park, Florida.

Andress, Frank J.
(1935), *Professor of Biochemistry and Preventive Medicine,* Eclectic College of Medicine, Cincinnati, Ohio.

Andrews, Donald H.
(1936), *Professor of Chemistry,* The Johns Hopkins University, Baltimore, Maryland.

Andrews, Harry L., Jr.
(J.1936), *Development Chemist,* Congoleum-Nairn, Inc., Marcus Hook, Pennsylvania.

Angus, Addison C.
(1932), *Secretary and Treasurer,* Philadelphia Clinical Laboratory, Inc., 1833 Chestnut Street, Philadelphia, Penna.

Anthes, John F.
(1936), *Assistant to Chief Chemist,* The Brooklyn Union Gas Company, 191 St. James Place, Brooklyn, N. Y.

Appleton, Lewis
(A.1936), *Chemist,* Wayne, West Virginia.

Arenson, Saul B.
(1937), *Professor of Inorganic Chemistry,* University of Cincinnati, Cincinnati, Ohio.

Arnoff, Albert I.
(A.1936), *President and General Manager,* Massachusetts By-products Company, 53 State Street, Boston, Massachusetts.

Arnold, William S.
(1923), *Chief Chemist and Director of Manufacture,* C. M. Pitt and Sons Company, Key Highway, Baltimore, Md.

Arrowsmith, Clarence J.
(J.1936), *Chemist,* White Laboratories Inc., 113 North 13th Street, Newark, N. J.

Ashbrook, Donald S.
(1937), *President,* Decorative Fabrics Company, Inc., 320 Broadway, New York, N. Y.

Ashen, Philip
(A.1938), *Chief Chemist,* Alco Manufacturing Company, Inc., 73-77 Furman Street, Brooklyn, N. Y.

Atkinson, John Virgil
(A.1940), *Chemist,* Bakelite Corporation, Bloomfield, New Jersey.

Atwood, F. C.
(1936), *President,* Atlantic Research Associates, Newtonville, Mass.

Atwood, Kenneth F.
(1936), *Chemist,* The Gilbert Spruance Company, Philadelphia, Penna.

Auer, E. Everett
(A.1936), Address Wanted.

August, Stanley
(J.1938), Address Wanted.

Austin, John F.
(J.1939), *Chemist,* Philadelphia Quartz Company, Chester, Penna.

Avedikian, Souren Z.
(1940), *Chemical Engineer,* Edgewood Arsenal, Edgewood, Maryland.

Averell, Philip R.
(1940), *Analytical Chemist,* American Cyanamid Company, Stamford, Conn.

Averitt, S. D.
(1936), *Chemist,* Kentucky Agricultural Experiment Station, Lexington, Kentucky.

Aycock, Lemuel M.
(1932), *Chemist,* F. W. Berk and Company, Inc., Graybar Building, New York, N. Y.

Ayers, Joseph W.
(1933), *Director of Research,* C. K. Williams and Company, 640 North 13th Street, Easton, Penna.

Ayres, Eugene
(1937), *Staff Chemist,* Gulf Research and Development Company, P. O. Box 2038, Pittsburgh, Penna.

B

Bacal, Harry S.
(1936), *Manager,* Pioneer Paint and Varnish Company, Tucson, Arizona.

Bacon, Charles V.
(1923), *Consulting Chemical Engineer,* 117 Liberty Street, New York, New York.

Bacon, Nicholas
(1932), *Chemist,* William M. Grosvenor, Inc., 50 East 41st Street, New York, N. Y.

Bacon, Raymond Charles
(A.1935), *Research Chemist,* Calco Chemical Company, Bound Brook, New Jersey.

Badollet, Marion S.
(1932), *Research Chemist,* Johns Manville Corporation, Manville, New Jersey.

Baëza, W. J.
(1929), *President,* Industrial Research Company, 50 East 41st Street, New York, N. Y.

Bailey, Bernard H.
(1936), *Assistant Mill Superintendent,* Bird and Son, Inc., East Walpole, Mass.

Baker, Chester L.
(1938), *Chief Chemist,* Philadelphia Quartz Company, Philadelphia, Pa.

Baker, Ross A.
(1929), *Professor of Chemistry, In Charge of Department,* Commerce Center, College of the City of New York, 17 Lexington Avenue, New York, N. Y.

Baker, William B.
(1940), *Director of Laboratories,* Sutlift and Case Company, Peoria, Illinois.

Ball, C. Olin
(1936), *Assistant Director of Research,* American Can Company, 230 Park Avenue, New York, N. Y.

Ball, Robert W.
(1938), *Research Chemist,* Krebs Pigment Department, E. I. du Pont de Nemours and Company, Newport, Delaware.

Balyozian, Nicholas
(1923), *Research Chemist,* Atlantic Research Associates, Newtonville, Mass.

Bancroft, George Russell
(1935), *Professor of Physiological Chemistry and Toxicology,* Jefferson Medical College, Philadelphia, Penna.

Banks, H. P.
(1938), *Vice-president,* I. F. Laucks, Inc., Seattle, Wash.

Barban, Charles
(1932), *Consulting Chemist and Chemical Engineer,* 521 Fifth Avenue, New York, N. Y.

Bardwell, Dwight C.
(1936), *Research Chemist,* The Solvay Process Company, Syracuse, New York.

Bare, Bruce M., Jr.
(J.1939), *Technical Sales,* Sharples Solvents Corporation, Chicago, Ill.

Barker, A. L.
(1936), *Professor of Chemistry,* Ripon College, Ripon, Wisconsin.

Barnard, H. E.
(1936), *Director of Research,* National Farm Chemurgic Council, 50 West Broad Tower, Columbus, Ohio.

Barnett, Robert Spencer
(1936), *Research Chemist,* The Texas Company, Beacon Research Laboratories, Beacon, N. Y.

Barsky, George
(1929), *President,* Barsky and Strauss, Inc., 202 East 44th Street, New York, N. Y.

Bashour, Joseph T.
(1939), *Research Chemist,* College of Physicians and Surgeons, 630 West 168th Street, New York, N. Y.

Bass, L. W.
(1932), *Assistant Director,* Mellon Institute of Industrial Research, Pittsburgh, Penna.

Bateman, George J.
(J.1938), *Assistant,* Essex Chair Co., 574 Ferry St., Newark, N. J.

Bauer, John C.
(1938), *Chemist,* Bunting Chemical Company, Baltimore, Maryland.

Baughman, Imo P.
(1938), *Instructor,* Los Angeles Junior College, Los Angeles, Calif.

Baumann, Emil J.
(1936), *Chemist,* Montefiore Hospital, Gun Hill Road and Bainbridge Avenue, New York, N. Y.

Bayer, Alfred R.
(A.1936), *Chemist,* The Brooklyn Union Gas Company, 191 St. James Place, Brooklyn, N. Y.

Beard, E. E.
(1938), *Research Chemist,* E. I. du Pont de Nemours and Company, Carrollville, Wisconsin.

Beard, Howard H.
(1936), *Professor of Biochemistry,* Louisiana State University Medical Center, New Orleans, La.

Beath, O. A.
(1936), *Research Chemist,* College of Agriculture, University of Wyoming, Laramie, Wyoming.

Beaver, David J.
(1939), College Hill, St. Albans, West Virginia.

Becher, Hubert L.
(1923), *Chemist,* The Agasote Mill-Board Company, Trenton, N. J.

Beckel, Arthur C.
(1940), 706 S. Coler Avenue, Urbana, Illinois.

Beckers, William G.
(1923), Beckersville, N. Y.

Beegle, Frank M.
(1936), *Chief Chemist,* Wilson and Bennett, Manufacturing Company, Chicago, Ill.

Belcher, Thomas L.
(1923), *Chemist,* Raybestos-Manhattan, Inc., Passaic, N. J.

Belfit, Robert W.
(1923), *Research Chemist,* Scovill Manufacturing Company, Waterbury, Connecticut.

Beltz, John H.
(1936), *Director of Laboratory,* Bell and Beltz, Inc., Philadelphia, Penna.

Benbrook, Charles H.
(A.1934), *Research Chemist,* Calco Chemical Company, Inc., Bound Brook, N. J.

Bender, Howard L.
(1935), *Research Chemist,* Bakelite Corporation, Bloomfield, N. J.

Benedict, Prieth F.
(J.1938), Highland Avenue, Short Hills, N. J.

Bengis, Robert O.
(1938), *Fellow,* Department of Chemistry, Yale University, New Haven, Connecticut.

Benner, Raymond C.
(1936), *Director of Research,* The Carborundum Company, Niagara Falls, N. Y.

Bennett, Harry
(1932), *President,* Chemical Publishing Company of New York, Inc., 148 Lafayette Street, New York, New York.

Berggren, Ruth E. L.
(1937), 15 Adams Street, Winter Hill, Mass.

Berk, I. Mathew
(1940), 44 West 76th Street, New York, N. Y.

Berne-Allen, Jr., A.
(1938), *Research Chemist,* E. I. du Pont de Nemours and Company, Waynesboro, Va.

Berry, William S.
(A.1924), *Teacher,* Woodrow-Wilson Jr. High School, Philadelphia, Penna.

Bertolet, Elmer C.
(1925), *Head Department of Chemistry and Dyeing,* Philadelphia Textile School, Broad and Pine Streets, Philadelphia, Penna.

Bhagwat, M. R.
(1936), *Secretary,* Chemist Advisory Council, Inc., 60 East 42nd Street, New York, N. Y.

Bidlack, Verne C.
(1939), *Assistant to the President,* McCloskey Varnish Company, Philadelphia, Penna.

Bigeleisen, Jacob
(J.1939), 114 Broadway, Paterson, New Jersey.

Bigelow, Lucius A.
(1936), *Associate Professor of Chemistry,* Duke University, Durham, N. C.

Bigelow, M. H.
(1940), *Technical Representative,* Plaskon Company, Inc., 2112-24 Sylvan Avenue, Toledo, Ohio.

Billman, Alice E.
(J.1938), 32 Lincoln Avenue, Metuchen, N. J.

Bishop, Howard B.
(1936), *President,* Sterling Products Company, 68 Bishop Road, Easton, Pennsylvania.

Bivins, Franklin H.
(1933), *Chemist,* Plant Operating Division, Foster D. Snell, Inc., 305 Washington Street, Brooklyn, N. Y.

Bixby, Emily May
(1940), *Chemist,* Wrentham State School, Wrentham, Mass.

Black, A. P.
(1935), *Professor of Agricultural Chemistry,* University of Florida, Gainesville, Florida.

Black, Charles S.
(1937), *Professor of Chemistry,* Wake Forest College, Wake Forest, North Carolina.

Blackhall, Walter L.
(1929), *Assistant Chief Chemist,* Department of Purchase Testing Laboratories, 480 Canal Street, New York, N. Y.

Blancaflor, Luciano L.
(A.1938), *Chemist,* 1739 N. 13th Street, Philadelphia, Penna.

Blann, William A.
(A.1939), *Research Chemist,* American Cyanamid Company, Stamford, Connecticut.

Blew, Michael J.
(1937), *Research Engineer,* Department of Public Works, Bureau of Engineering, Surveys, and Zoning, City of Philadelphia, Penna.

Bliss, A. Richard, Jr.
(1923), *Director,* Birmingham Research Laboratories; *Professor of Pharmacology and Dean of School of Pharmacy,* Howard College of Birmingham, Alabama.

Block, Richard J.
(1940), *Associate Research Chemist,* N. Y. State Psychiatric Institute and Hospital, New York, N. Y.

Blume, M. C.
(1938), *Chief Chemist,* Rufert Chemical Division, Seymour Manufacturing Company, Seymour, Connecticut.

Bly, R. S.
(1938), *Professor of Chemistry,* Florida Southern College, Lakeland, Fla.

Boddington, Henry D.
(1923), 2541 Grand Avenue, Huntington Park, Calif.

Bodé, Donald D.
(1938), *Professor of Chemistry,* University of Tampa, Tampa, Florida.

Bodman, John W.
(1937), *Research Director,* Lever Brothers Company, Cambridge, Mass.

Bogert, Marston Taylor
(1929), *Professor of Organic Chemistry*, Columbia University, New York, N. Y.

Boggs, Gilbert H., Sr.
(1936), *Director*, Department of Chemistry and Chemical Engineering; *Professor of Chemistry; Dean of Graduate Courses*, Georgia School of Technology, Atlanta, Georgia.

Bohannan, Joseph B.
(J.1939), 361-18th St., N. E. Washington, D. C.

Bole, G. A.
(1937), *Research Professor*, Ohio State University, Columbus, Ohio.

Bolinger, E. Dare
(A.1932), *Research Chemist*, Celanese Corporation of America, Cumberland, Maryland.

Bond, Perry A.
(1936), *Associate Professor of Inorganic Chemistry*, State University of Iowa, Iowa City, Ia.

Bond, William G.
(1923), *Private Development*, Holly Oak, Delaware.

Bonney, Robert D.
(1936), *Assistant Manager of Manufacturing*, Congoleum-Nairn, Inc., Kearny, N. J.

Boorstein, Jacob W.
(A.1927), *Assistant Chief Chemist*, New York Testing Laboratories, 80 Washington Street, New York, N. Y.

Borg, Henry L.
(1924), *Vice-president*, Murray Company, 209-211 State Street, Boston, Massachusetts.

Born, Sidney
(1936), *President*, Born Engineering Company, P. O. Box 102, Tulsa, Oklahoma.

Bosee, Roland A.
(1938), *Director of Laboratories*, Endo Products, Inc., 84-40 101st Street, Richmond Hill, New York.

Bost, William D.
(1923), *Officer*, Orange-Crush Company, 318 West Superior Street, Chicago, Ill.

Boustead, John
(J.1935), 167 Franklin Street, Paterson, N. J.

Bowen, C. Verne
(1937), 111 Northbrook Lane, Bethesda, Md.

Bower, Francis M.
(J.1937), *Fellow*, University of Maryland, College Park, Maryland.

Bowman, Jay
(1923), *Assistant Director of Research*, Wilson and Company, 4100 S. Ashland Avenue, Chicago, Ill.

Boyer, William C.
(J.1939), *Chemist*, Director of Boyer Laboratory, Tulsa, Oklahoma.

Boyle, James S.
(A.1923), *Chemist*, Anaconda Wire and Cable Company, Marion, Indiana.

Bradley, H. F.
(A.1923), *Chief Chemist*, Park Utah Consolidated Mines Company, Park City, Utah.

Bradley, Theodore F.
(1936), *Research Chemist*, American Cyanamid Company, Stamford, Conn.

Bradshaw, Anis P.
(1930), *Research Associate in Chemistry*, Biological Stain Commision, Bureau of Agricultural Chemistry and Chemical Engineering, Washington, D. C.

Bramann, George M.
(1936), *Research and Sales Development*, Niacet Chemicals Corporation, Niagara Falls, N. Y.

Brannon, James L.
(1940), *Chemist*, Bakelite Corporation, River Road, Bound Brook, N. J.

Branting, Briant F.
(1938), *Research Chemist*, Nitrogen Division, Solvay Process Company, Hopewell, Va.

Brasted, Robert C.
(J.1938), Fort Belvoir, Va.

Bratton, G. S.
(1938), *Director of Laboratories,* Anheuser-Busch, Inc., St. Louis, Mo.

Bray, Ulric B.
(1938), 633 Via Horquilla, Palos Verdes Estates, California.

Breithut, Frederick E.
(L.1926), Nantucket, Massachusetts.

Brenner, Mortimer W.
(1940), *Chief Chemist,* Schwarz Laboratories, New York, N. Y.

Brescia, Frank
(J.1931), *Instructor,* Chemistry Department, College of the City of New York, New York, N. Y.

Brewer, J. Edward
(1937), *Partner,* Brewer and Gardner, S. E. Corner 18th and Cherry Streets, Philadelphia, Penna.

Brewer, W. O.
(1924), *Pharmaceutical Plant Manager,* The Calco Chemical Company, Bound Brook, N. J.

Breyer, Frank G.
(1932), *Partner,* Singmaster and Breyer, 420 Lexington Avenue, New York, N. Y.

Bridgeman, Walter A.
(1937), *Manager* of Wilbur White Division of Franklin Research Company, 5134 Lancaster Avenue, Philadelphia, Penna.

Bridgwater, Ernest R.
(1938), *Division Manager,* Organic Chemicals Department, E. I. du Pont de Nemours and Company, Wilmington, Delaware.

Brierley, John R.
(1937), *President,* Childs Pulp Colors, Inc., Brooklyn, N. Y.

Briese, Reinhold Rudolph
(1939), *Junior Chemist,* Bureau of Animal Industry, U. S. Department of Agriculture, Washington, D. C.

Brill, H. C.
(1936), *Professor and Head of Department of Chemistry,* Miami University, Oxford, Ohio.

Brinkley, Stuart R.
(1936), *Associate Professor,* Department of Chemistry, Yale University, New Haven, Conn.

Brinton, Clement S.
(1937), *Chief,* Philadelphia Station, U. S. Food and Drug Administration, Philadelphia, Penna.

Brinton, Paul H. M.-P.
(1936), *Consulting Chemist,* 1064 Linda Vista Way, Pasadena, Calif.; *Head of Department of Chemistry,* University of Southern California, Los Angeles, Calif.

Briod, André E.
(1937), *Technical Director,* Vitamin Division, National Oil Products Company, Harrison, N. J.

Briscoe, Herman T.
(1938), *Professor,* Department of Chemistry, Indiana University, Bloomington, Ind.

Brock, Frank P.
(1935), *Research Engineer,* Bakelite Corporation, Bloomfield, N. J.

Broeker, John F.
(1936), *Research Division Head,* Krebs Pigment and Color Corporation, Newport, Delaware.

Brogan, Frank J.
(A.1933), *Instructor,* Department of Chemistry, Hunter College, Bedford Park and Navy Avenue, New York, New York.

Bronson, Barnard S.
(1932), *Professor of Chemistry,* New York State College for Teachers, Albany, N. Y.

Brooks, Benjamin T.
(1927), *Consulting Chemist,* 50 East 41st Street, New York, N. Y.

Brown, Alfred E.
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Brown, Cecil L.
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Brown, E. K.
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Brown, Joseph T.
(1939), *Dean of Chemistry*, St. Joseph's College, Philadelphia, Penna.

Brown, William B.
(1933), *Research Chemist*, The Barrett Company, Bridesburg Station, Philadelphia, Penna.

Browne, Harold H.
(1923), *Assistant Chemist*, Bureau of Dairy Industry, Washington, D. C.

Brumbaugh, N. J.
(1940), *Professor*, Juniata College, Huntington, Pennsylvania.

Bruner, R. C.
(1940), *Director of Laboratories*, Chappel Laboratories, Rockford, Illinois.

Bryant, George O.
(1923), *Sales Engineer*, Alberene Stone Corporation of Virginia, 419 Fourth Avenue, New York, N. Y.

Buck, Johannes S.
(1932), *Senior Research Chemist*, Burroughs Wellcome and Company, Tuckahoe, N. Y.

Bucy, E. H.
(1933), *Technical Director*, Zapon Division, Atlas Powder Company, Stamford, Conn.

Buell, Harold D.
(1938), *Assistant Professor*, Department of Chemistry, Syracuse University, Syracuse, N. Y.

Bullock, Jesse L.
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Buraus, Harry O.
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Burgess, C. F.
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Burgess, Kenneth E.
(1936), *Technical Research Director*, Magnetic Pigment Company, 601 Cass Street, Trenton, N. J.

Burke, Edmund, Sr.
(1936), *Chemist and Meteorologist*, Montana Agricultural Experiment Station, Bozeman, Mont.

Burnell, Dorah L.
(1936), *Associate Professor of Chemistry*, Houghton College, Houghton, New York.

Burns, Frank B.
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Burrell, R. C.
(1940), *Associate Professor,* Department of Agricultural Chemistry, Ohio State University, Columbus, Ohio.

Burton, Milton
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Burtsell, Aubison Tuthill
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Burwell, Arthur Warner
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Buswell, A. M.
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Butcher, Bessie E.
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Butcosk, Arthur Frank
(J.1939), *Junior Chemist,* Southern Railway System, Test Department, Henry and Wilke Street, Alexandria, Virginia.

Butcosk, Richard C.
(J.1940), *Analytical Chemist,* Gulf Research and Development Company, Harmarville, Penna.

Butler, William H.
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Butterfield, E. E.
(1937), Rexarco Products Co., Inc., Long Island City, N. Y.

Butts, Donald C. A.
(1923), *Consulting Bacteriologist,* 6 South 39th Street, Philadelphia, Pennsylvania.

Buxton, Loran O.
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Byck, Harold T.
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Byers, Horace G.
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Cadwell, Sidney M.
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Calcott, W. S.
(1923), *Director,* Jackson Laboratory, Organic Chemicals Department, E. I. du Pont de Nemours and Company, Box 525, Wilmington, Del.

Callan, William
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Calmon, Calvin
(A.1939), *Research Chemist,* The Permutit Company, Birmingham, N. J.

Camelford, J. Allan
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Cameron, Walter S.
(A.1923), *Chairman of Department of Physical Science,* Wadleigh High School, 215 West 114th Street, New York, N. Y.

Campbell, Arthur William
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Campbell, Clyde H.
(1939), 801-803 Renshaw Building, Pittsburgh, Penna.

Cardarelli, Eugene J.
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Carleton, Ralph Kimball
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Carmichael, Emmett B.
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Carpenter, Arthur W.
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Carpenter, Clifford D.
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Carroll, Richard Henry
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Case, F. O.
(1938), *Manager of Midwest District,* International Smelting and Refining Company, Chicago, Ill.

Casselman, Ralph T.
(1936), *Research Chemist,* Bakelite Corporation, Bloomfield, N. J.

Cataldo, Joseph R.
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Catherman, Clair Cecil
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Catlow, William R., Jr.
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Cavallito, Chester J.
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Cavelti, John E.
(1935), *Technical Superintendent,* Seamless Rubber Company, New Haven, Conn.

Cayo, Eugene F.
(1929), Benjamin Forster Company, Philadelphia, Penna.

Chace, Edward M.
(1933), *Chemist in Charge,* Laboratory of Fruit and Vegetable Chemistry, 148 South Mission Road, Los Angeles, Calif.

Chalk, James M.
(1930), *Chemist,* Employed by President of the Borough of Queens, Borough Hall, Long Island City, N. Y.

Chalkley, Lyman
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Chamberlain, Joseph S.
(1936), *Goessmann Professor of Organic Chemistry,* Massachusetts State College, Amherst, Mass.

Charlton, Harry W.
(1937), *Consultant,* Hotel Martinique, 32nd Street and Broadway, New York, N. Y.

Charron, Roy C.
(1923), *Chief Chemist,* United States Envelope Company, 84 Prescott Street, Worcester, Mass.

Cheney, Lowther B.
(1929), *Department Superintendent*, American Cyanamid Company, Linden, New Jersey.

Chernoff, Lewis H.
(1938), *Chemist*, U. S. Food and Drug Administration, 531 U. S. Customs Building, Denver, Colorado.

Chesley, Kenneth G.
(A.1932), *Chief Chemist*, Crossett Chemical Co., Crossett, Arkansas.

Chodroff, Saul
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Christensen, Leo M.
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Christmann, Ludwig J.
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(1940), *Research Organic Chemist and Attorney*, Givaudan-Delawanna Inc., Delawanna, N. J.

Clark, Arthur J.
(1938), *Head of Department*, Kedzie Chemical Laboratory, Michigan State College, East Lansing, Mich.

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Clark, George L.
(1936), *Professor of Chemistry*, University of Illinois, Urbana, Ill.

Clark, John D.
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Clark, Le R. V.
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Clarke, Hans T.
(1930), *Professor of Biological Chemistry*, College of Physicians and Surgeons, 630 West 168th Street, New York, N. Y.

Clements, F. O.
(1938), 111 North West Street, Franklin County, Westerville, Ohio.

Cleveland, T. K.
(1938), *Chief Chemist*, California Branch, Philadelphia Quartz Company, Berkeley, Calif.

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(1939), *Research Chemist*, Shell Petroleum Corporation, Houston, Tex.

Clough, Lyle A.
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Coats, Harry P.
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Coe, Mayne R.
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Cohoe, Wallace P.
(1938), *Consulting Chemist and Engineer,* 120 East 41st Street, New York, N. Y.

Cole, Everitt J.
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Cole, Harry L.
(1936), *Assistant Professor of Chemistry,* State College of Washington, Pullman, Wash.

Cole, James W.
(1939), *Teacher,* School of Chemistry, University of Virginia, University, Virginia.

Coleman, George H.
(1938), *Professor,* Department of Chemistry, University of Iowa, Iowa City, Iowa.

Coleman, George William
(1937), *Chief Metallurgist and Chemist,* Parker Wire Goods Company, Worcester, Mass.

Coles, Henry L.
(1938), *Head,* Department of Chemical Engineering, University of Alabama, Tuscaloosa, Ala.

Collier, Charles V., Jr.
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Collier, Simon
(1938), *Manager,* Inspection and Control Department, Johns-Manville, 22 East 40th Street, New York, N. Y.

Compton, Jack
(1939), *Research Chemist,* Boyce Thompson Institute for Plant Research, Yonkers, New York.

Concannon, C. C.
(1931), *Chief,* Chemical Division, Department of Commerce, Washington, District of Columbia.

Con'é, Samuel Henri
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Conklin, Albert E.
(A.1929), *Chief Chemist,* C. A. Reed Company, Williamsport, Penna.

Conn, Robert C.
(A.1936), *Research Chemist,* Calco Chemical Company, Inc., Bound Brook, N. J.

Conner, Robert T.
(1939), *In Charge Nutrition Laboratory,* Central Research Laboratories, General Foods Corporation, Hoboken, N. J.

Connor, C. M.
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Connor, Emerson H.
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Conroy, Peter J.
(1940), *Professor,* School of Pharmacy, Fordham University, New York, N. Y.

Cook, Elton S.
(1940), *Research Professor,* Institution Divi Thomae, Athenaeum of Ohio, Cincinnati, Ohio.

Cook, Roy S.
(1939), *Head,* Department of Science, Mary Washington College, Fredericksburg, Virginia.

Cook, Walter A.
(1936), *Head,* Department of Chemistry, University of Akron, Akron, Ohio.

Cool, Raymond D.
(1932), *Assistant Professor of Chemistry,* Knight Chemical Laboratory, University of Akron, Akron, Ohio.

Coolidge, William D.
(1936), *Director of Research Laboratory,* General Electric Company, Schenectady, N. Y.

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Copenhaver, J. E.
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Corbet, Ruth E.
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(1923), *Research and Control Chemist,* Winthrop Chemical Corporation, 33 Riverside Avenue, Rensselaer, New York.

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(1936), *Director of Research,* Sylvania Industrial Corporation, Fredericksburg, Virginia.

Cortese, Frank
(1937), *Director of Intravenous Solutions Department,* Columbia Presbyterian Medical Center, 630 West 168th Street, New York, N. Y. Also *Instructor in Biological Chemistry,* Columbia University, New York.

Cosgrove, John F.
(1940), *Owner,* Cosgrove Clinical Laboratory, 315 Ridge Street, Newark, N. J.

Coster, H. M.
(1940), *Chemist, Superintendent of Acid Plants,* U. S. Naval Powder Factory, Indian Head, Md.

Cothran, John C.
(1940), *Professor,* Duluth State Teachers College, Duluth, Minnesota.

Cottle, D. L.
(1937), *Assistant Professor,* Rutgers University, New Brunswick, N. J.

Cotton, William J.
(1923), *Research Chemist,* Pennsylvania Coal Products Company, Petrolia, Penna.

Couch, James F.
(1923), *Research Chemist,* Bureau of Animal Industry, U. S. Department of Agriculture, Washington, District of Columbia.

Courtney, Robert P.
(1936), *Development Engineer,* Bakelite Corporation, 230 Grove Street, Bloomfield, N. J.

Cowgill, George R.
(1937), *Associate Professor of Physiological Chemistry,* Yale University, 333 Cedar Street, New Haven, Conn.

Cowperthwaite, Irving A.
(1936), *Plant Engineer and Director of Research,* Thompson Wire Company, 41 Mildred Avenue, Mattapan, Massachusetts.

Cox, Edwin
(1938), *Assistant Manager,* Phosphate Products Division, Virginia-Carolina Chemical Corporation, Richmond, Virginia.

Crabill, Allen K.
(1938), *Chemist,* E. J. Lavino and Company, Lynchburg, Virginia.

Craig, William M.
(1938), *Professor of Chemistry,* Texas Technological College, Lubbock, Texas.

Crawford, John W.
(1923), *President,* Tilton Worsted Mills, Inc., Tilton, N. H.

Creighton, H. Jermain
(1937), *Professor of Chemistry,* Swarthmore College, Swarthmore, Pennsylvania.

Crockett, W. G.
(1938), *Professor,* Medical College of Virginia, Richmond, Va.

Cromer, George W.
(1937), *Junior Chemist,* Bureau of Plant Industry, U. S. Dept. of Agriculture, Washington, D. C.

Cross, Loy B.
(A.1938) *Instructor in Chemistry*, Emory University, Emory University, Georgia.

Cross, Robert J.
(1936), *Superintendent*, Vitamin Department and Maintenance, S. M. A. Corporation, 4614 Prospect Avenue, Cleveland, Ohio.

Crossley, M. L.
(1923), *Director of Research*, Calco Chemical Company, Inc., Bound Brook, N. J.

Crosson, Leo H.
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Culbertson, J. B.
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Cummings, Samuel N.
(1933), *President*, Pylam Products Company, Inc., 799 Greenwich Street, New York, N. Y.

Cummins, Arthur B.
(1936), *Manager*, Celite Research, Johns Manville Corporation, Manville, New Jersey.

Cunningham, Geoffrey E.
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Daniels, Lloyd C.
(1933), *Assistant General Manager*, Seldon Division, American Cyanamid and Chemical Corporation, Bridgeville, Penn.

Darby, George M.
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Dargan, W. H.
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Darling, S. F.
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Darrin, Marc
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Daughenbaugh, Paul J.
(1938), Technical Division, Sharp and Dohme, Glenolden, Penna.

Davidheiser, Lee
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Davidson, Emil
(A.1932), *Sales Representative*, Clay-Adams Company, 44 E. 23rd Street, New York, N. Y.

Davis, Arnold R.
(1937), *Chemist in Charge of Rubber Section*, Technical Service Laboratory, American Cyanamid Company, Stamford, Conn.

Davis, Harold S.
(1936), *Research Chemist*, American Cyanamid Company, Stamford, Conn.

Davis, Hubert G.
(J.1938), Columbia University, New York, N. Y.

Davis, Lewis
(1936), *Secretary-treasurer*, Davis and Bennett, Inc., 339 Main Street, Worcester, Mass.

Davis, Lloyd L.
(1923), *Supervisor Process Division*, Continental Oil Company, Ponca City, Okla.

Davis, Lloyd W.
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Davis, Roy B.
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Dawson, Paul R.
(1924), *Biological Chemist,* Bureau of Agricultural Chemistry and Engineering, U. S. Department of Agriculture, Washington, D. C.

Day, Harry G.
(1940), Associate in Biochemistry, The Johns Hopkins University, Baltimore, Maryland.

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De Carlo, Michael R.
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De Carlo, Peter A.
(J.1936), Address Wanted.

Decker, Ernest L.
(J.1939), Address Wanted.

Deemer, R. B.
(1935), *Associate Biochemist,* U. S. Department of Agriculture, Soil Fertility Investigations, Washington, District of Columbia.

Degering, Ed. F.
(1938), *Associate Professor,* Chemistry Department, Purdue University, W. Lafayette, Indiana.

Deignan, J. V.
(1938), *Head,* Chemistry Department, Spring Hill College, Spring Hill, Alabama.

Delahanty, Thomas W.
(1937), *Assistant Chief,* Chemical Division, Bureau of Foreign and Domestic Commerce, Department of Commerce, Washington, D. C.

De Leeuw, Philip M.
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De Marco, Arthur P.
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Denslow, Roy R.
(1938), *Research Chemist,* E. I. du Pont de Nemours and Company, 256 Vanderpool Street, Newark, N. J.

De Phillips, Henry N. A.
(1935), *President,* Coating Materials Laboratories, Inc., 10002 Avenue D, Brooklyn, N. Y.

Derick, C. G.
(1935), *Consulting Chemist,* Sewaren, N. J.

Desha, Lucius J.
(1939), *Professor,* Washington and Lee University, Lexington, Va.

D'Eustachio, Gabriel
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(1938), *Associate Professor,* Michigan College of Mining and Technology, Houghton, Mich.

Diamond, Jack
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Diefenbach, William T.
(1937), *Chief Chemist,* J. M. Huber, Inc., 460 West 34th Street, New York, N. Y.

Diehl, Helmut C.
(1940), *Senior Chemist in Charge,* U. S. Frozen Pack Laboratory, Spokane Street Terminal, Seattle, Washington.

Dietrich, Harold E.
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Diner, Irene C.
(1925), 3749 McKinley Street, Washington, D. C.

Dinsmore, Ray P.
(1936), *Assistant to Factory Manager*, The Goodyear Tire and Rubber Company, Akron, Ohio.

Dinsmore, Sanford C.
(1935), *State Commissioner Foods and Drugs*, P. O. Box 719, Reno, Nevada.

Dittmar, John H.
(1940), *Chemist and Assistant Technical Director*, Pennsylvania Sugar Company, Philadelphia, Penna.

Dixon, John G., Jr.
(A.1938), *Laboratory Assistant, Chemist*, Anaconda Wire and Cable Company, Marion, Indiana.

Dodge, F. D.
(1936), *Chief Chemist*, Dodge and Olcott Company, 69 Avenue A, Bayonne, N. J.

Dodge, Lawrence E.
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Doede, Clinton M.
(A.1935), Address Wanted.

Doering, Justus Harvey
(1935), Address Wanted.

Doisy, E. A.
(1938), *Director*, Department of Biological Chemistry, Saint Louis University School of Medicine, St. Louis, Missouri.

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Dolt, Maurice L.
(1924), *Research Chemist*, Calco Chemical Company, Inc., Bound Brook, N. J.

Domogalla, B. P.
(1938), *Chemist, Biologist, and Bacteriologist*, City Board of Health, Madison, Wisconsin.

Dondes, Seymour
(J.1939), Signal Corps, Fort Knox, Kentucky.

Donleavy, John J.
(1936), *Assistant Professor of Chemistry*, Yale University, New Haven, Connecticut.

Donnell, Conard K., Jr.
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Dorcas, Merrill J.
(1936), *Lamp Department Manager*, National Carbon Company, Inc., P. O. Box 6087, Cleveland, Ohio.

Dorfman, M.
(1940), *Chemist*, Agfa Ansco Corporation, Binghamton, New York.

Doty, M. B.
(1938), *Superintendent*, Dry Color Factory, The Sherwin-Williams Co., 115th St. and Cottage Grove Avenue, Chicago, Ill.

Doubleday, Ralph S.
(1923), *Plant Superintendent*, G. W. Carnrick Company, 20 Mt. Pleasant Avenue, Newark, N. J.

Douglas, Frank W.
(1936), *Professor*, Colorado College, Colorado Springs, Colorado.

Douglas, Albrecht A.
(1937), Institut Fur Experimentelle Medizin, Schloss-Duneck, G.M.B.H., Untersen, Holstein, Germany.

Downes, A. C.
(1937), *Chemical Engineer*, National Carbon Company, Cleveland, Ohio.

Downs, Charles R.
(1923), *Vice-president and Treasurer*, Weiss and Downs, Inc., 50 East 41st Street, New York, N. Y.

Dowzard, Edwin
(1923), *Chief Chemist*, New York Quinine and Chemical Works, Inc., 99 N. 11th Street, Brooklyn, N. Y.

Drake, G. Wilson
(1940), *Professor,* University of Houston, Houston, Texas.

Drake, Nathan F.
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Dreyfus, William
(1936), *Director,* Chemistry Department, West Disinfecting Company, 42-16 Barn Street, Long Island City, New York.

Drogin, Isaac
(1936), *Director of Chemical Research,* Union Carbon Company, Inc., Charleston, West Virginia.

Dubbs, Leland A.
(1923), *Consulting Chemist,* Route 1, Box 259-A, Torrance, California.

Dubin, H. E.
(1923), *President,* H. E. Dubin Laboratories, Inc., 250 East 43rd Street, New York, N. Y.

Dukek, William G., Jr.
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Dumas, William C.
(1923), *Owner and Operator,* The Dumas Laboratories, 407-411 Five Ivy Street Building, Atlanta, Ga.

DuMez, A. G.
(1936), *Dean,* School of Pharmacy, University of Maryland, Baltimore, Maryland.

Dumit, Michael J.
(1923), *Superintendent of Pulp Mill,* The Chesapeake Corporation, West Point, Virginia.

Dunbrook, Raymond F.
(1935), *Head,* Organic Division, Firestone Tire and Rubber Company, Akron, Ohio.

Dunkle, Cyrus G.
(1924), *Research Chemist,* Picatinny Arsenal, Dover, N. J.

Dunning, Fitzgerald
(1938), *Director of Chemical Research,* Hynson, Westcott and Dunning, Baltimore, Md.

Dunning, H. A. B.
(1937), *President,* Hynson, Westcott and Dunning, Baltimore, Md.

Dunning, Preston M.
(1936), *Superintendent and Chief Chemist,* Colonial Works, Inc., 231 Norman Avenue, Brooklyn, N. Y.

Durant, Walter W.
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Eastman, Irene M. H.
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Ebert, Joseph
(1939), *President,* The Farastan Company, 135 South 11th Street, Philadelphia, Penna.

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Eddy, Walter H.
(1936), *Professor of Physiological Chemistry,* Teachers' College, Columbia University, New York, N. Y.

Edel, Albert E.
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Egan, Edward G.
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Egloff, Gustav
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Ehrlich, J.
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Eisenman, W. H.
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Ekroth, Clarence V.
(1936), 635 E. 21st Street, Brooklyn, New York.

Eldred, Frank R.
(1929), *Director of Research,* Reed and Carnrick, 155 Van Wagenen Avenue, Jersey City, N. J.

Elinson, Israel J.
(S.1936), *Student,* College of the City of New York, New York, N. Y.

Elliott, Edison C.
(1940), *Chief Chemist,* Chappel Laboratories, Rockford, Illinois.

Ellis, Carleton
(1923), *Manager and Proprietor,* Ellis Laboratories, 92-98 Greenwood Avenue, Montclair, N. J.

Elm, Adolf C.
(1936), *Research Chemist,* The New Jersey Zinc Company of Pennsylvania, Palmerton, Penna.

Elmore, Lonnie Clifton
(1930), Snowville, Va.

Elvehjem, Conrad A.
(1936), *Professor of Agricultural Chemistry,* University of Wisconsin, Madison, Wis.

Endres, Herbert A.
(1937), 37 Silver Street, Dover, N. H.

Engelhardt, Carl L.
(1935), *Production Manager and Chemist,* Brooklyn Varnish Manufacturing Company, 35 Nostrand Avenue, Brooklyn, N. Y.

Entemann, Charles E., Jr.
(A.1931), *Research Chemist,* Zonite Products Corporation, New Brunswick, N. J

Entner, Bernard J.
(J.1936), 488 Sanford Avenue, Newark, N. J.

Entrikin, John B.
(1936), *Head,* Department of Chemistry, Centenary College, Shreveport, La., also *Consulting Chemist.*

Eppley, Marion
(1936), *President,* The Eppley Laboratory, Inc., 12 Sheffield Avenue, Newport, R. I.

Epstein, Albert K.
(1923), *President,* The Emulsol Corporation, 59 East Madison Street, Chicago, Ill.

Epstein, Max
(J.1930), *Teacher of Chemistry,* Haaren High School, 59th Street and 10th Avenue, New York, N. Y.

Erb, Russell C.
(1931), *Assistant Dean and Professor of Chemistry and Toxicology,* Philadelphia College of Osteopathy, Philadelphia, Penna.

Erikson, Carl Walter
(A.1940), *Chemist,* Bakelite Corporation, Bloomfield, N. J.

Erskine, Archibald M.
(1938), *Research Chemist,* E. I. du Pont de Nemours and Company, 256 Vanderpool Street, Newark, N. J.

Esselen, Gustavus J.
(1933), *President,* Gustavus J. Esselen, Inc., 857 Boylston Street, Boston, Massachusetts.

Evans, Ralph L.
(1936), *Executive-Chemist,* Marinello Corporation, 33 West 46th Street, New York, N. Y.

Evans, Raymond N.
(1936), *Assistant Director of Research,* Consolidated Edison Company, 55 Johnson Street, Brooklyn, New York.

Evenson, Oscar L.
(1928), *Associate Chemist,* Food and Drug Administration, U. S. Department of Agriculture, Washington, District of Columbia.

Everett, M. R.
(1936), *Professor of Biochemistry,* University of Oklahoma, School of Medicine, Oklahoma City, Okla.

Everett, Ralph H.
(1936), *Secretary,* Keystone Varnish Company, 71 Otsego Street, Brooklyn, New York.

F

Falk, K. George
(1936), *Biological Chemist,* Bureau of Laboratories, Department of Health, New York, N. Y.; *Director,* Laboratory of Industrial Hygiene, Inc., 76 Madison Avenue, New York, N. Y.

Fanto, Emil C.
(1936), *Research Director,* McKesson and Robbins, Inc., Bridgeport, Connecticut.

Fasce, E. V.
(1940), *Research Chemist,* Standard Oil Company of Louisiana, Baton Rouge, La.

Fasig, Edgar W.
(1938), *General Superintendent,* The Lowe Brothers Company, 424 East 3rd Street, Dayton, Ohio.

Fay, Marion
(1939), *Professor of Physiological Chemistry,* Woman's Medical College of Pennsylvania, East Falls, Philadelphia, Pennsylvania.

Fazel, Charles S.
(1937), *Chief Research,* The Solvay Process Company, Nitrogen Division, Hopewell, Va.

Feinberg, Benjamin G.
(1929), *Owner,* B. G. Feinberg, Inc., 112-118 W. 44th Street, New York, New York.

Feinstein, Hyman I.
(1934), 349 Hendrix Street, Brooklyn, New York.

Fellows, Albert T.
(A.1929), Address Wanted.

Felsing, W. A.
(1938), *Professor,* Department of Chemistry, The University of Texas, Austin, Texas.

Ficklen, Joseph B.
(A.1931), *Chemical Engineer,* Travelers Insurance Company, Hartford, Connecticut.

Fields, Reuben T.
(1940), E. I. du Pont de Nemours and Company, Arlington, N. J.

Fiero, George W.
(1936), *Assistant Professor of Materia Medica,* University of Buffalo, Buffalo, N. Y.

Filbert, William F.
(A.1935), *Research Chemist,* E. I. du Pont de Nemours and Company, Eastern Laboratory, Gibbstown, N. J.

Fillinger, Harriett H.
(1937), *Professor of Chemistry,* Hollins College, Hollins, Virginia.

Finley, Mark F., Jr.
(1925), U. S. Veteran's Administration Facility Hospital, Perry Point, Maryland.

Finn, Alfred Nelson
(1938), *Glass Technologist,* National Bureau of Standards, Washington, District of Columbia.

Finnegan, Thomas J.
(1937), Research Bureau, Consolidated Edison Company, 55 Johnson Street, Brooklyn, N. Y.

Fischer, Martin
(1940), *Professor of Physiology,* College of Medicine, Cincinnati, Ohio.

Fish, Floyd Hamilton
(1937), *Professor of Analytical Chemistry,* Virginia Polytechnic Institute, Blacksburg, Virginia.

Fisher, Harry L.
(1936), *Director of Organic Research,* U. S. Industrial Chemicals, Inc., and Air Reduction Company, 41 Magee Avenue, Stamford, Conn.

Fisher, Henry
(1923), 16 East 96th Street, New York, N. Y.

Fishkind, David
(1924), *Plant Chemist,* Verona Chemical Company, 26 Verona Avenue, Newark, N. J.

Fiske, Cyrus H.
(1936), *Professor of Biological Chemistry,* Harvard Medical School, Boston, Mass.

Fitzpatrick, Francis W.
(J.1939), 27 Van Corlear Place, New York, New York.

Flanders, Fred F.
(1936), *Chief of Purchase Laboratory,* Massachusetts Commission on Administration and Finance, Room 540A, State House, Boston, Mass.

Flaumenhaft, Irving
(1932), *President, Treasurer, and Chief Chemist,* Lacquer and Chemical Corporation, 214 40th Street, Brooklyn, N. Y.

Fleck, E. M.
(1923), *President,* Vitro Manufacturing Company, Pittsburgh, Penna.

Flentge, Arthur C.
(1936), 64 Oakgrove Avenue, Buffalo, New York.

Fletcher, Robert James
(1934), *Chief Chemist,* Azo Division, Calco Chemical Company, Bound Brook, N. J.

Flick, Fulton B.
(1936), *Partner,* Brown, Critchlow & Flick, 1706 First National Bank Building, Pittsburgh, Penna.

Florsheim, Siegfried
(1930), *Chemist,* American British Chemical Supplies, 180 Madison Avenue, New York, N. Y.

Floyd, W. W.
(1938), *Head,* Department of Physics and Chemistry, Sam Houston State Teachers' College, Huntsville, Texas.

Flugge, S. L.
(1939), *Assistant Manager,* Manufacturing Division, Research Department, Continental Can Company, Chicago, Illinois.

Foerster, Clemence
(1923), *Chemist,* Darling and Company, 4201 South Ashland, Chicago, Illinois.

Foote, J. Wilford
(1925), *Chemist,* Calco Chemical Company, Inc., Bound Brook, N. J.

Forbes, John C.
(1939), *Associate Professor of Biochemistry,* Medical College of Virginia, Richmond, Virginia.

Forbis, Homer L.
(1939), *Technical Sales Representative,* Stanco, Inc., 1 Park Avenue, New York, N. Y.

Ford, J. T.
(1940), *Chief Chemist,* AC Spark Plug Division, General Motors Corporation, Flint, Mich.

Ford, T. C.
(1936), 1319 Cobb Boulevard, Kankakee, Illinois.

Fort, Charles A.
(1923), *Chemist,* Bureau of Agricultural Chemistry and Engineering, U. S. Department of Agriculture, Washington, D. C.

Fortner, Louis R.
(J.1937), *Chemist in Charge of Analytical Laboratory,* Research Laboratories, Aluminum Ore Company, East St. Louis, Illinois.

Fosbinder, Russel J.
(1936), *Director of Research,* Maltbie Chemical Company, 250 High Street, Newark, N. J.

Francis, Alfred W.
(1936), *Research Chemist,* Socony-Vacuum Oil Company, Inc., Paulsboro, N. J.

Frank, Henry Frederick
(1939), *Manager,* Metal Decorating Department, Sherwin Williams Company, Cleveland, Ohio.

Frank, Henry S.
(1938), *Associate Professor of Chemistry,* College of Arts and Sciences, Lingnan University, Canton, China.

Fraps, George S.
(1938), *Chief,* Division of Chemistry, Agricultural and Mechanical College of Texas, College Station, Tex.

Frascati, A. T.
(1937), *Technical Director,* Firmenich and Company, Inc., 135 Fifth Avenue, New York, N. Y.

Frear, George L.
(1936), *Associate Chemist,* Tennessee Valley Authority, Wilson Dam, Alabama.

Freas, Raymond
(1938), *Professor of Organic Chemistry,* Tulane University of Louisiana, New Orleans, La.

Frederickson, Herbert E.
(J.1939), *Chemist,* E. J. Lavino and Company, Plymouth Meeting, Pa.

Fredrickson, James A.
(1937), *Production and Technical Director,* John W. Masury and Son, 42-50 Jay Street, Brooklyn, N. Y.

Freed, Meyer L.
(1938), *Technical Director,* The Rufert Chemical Company, Seymour, Connecticut.

Freedman, Ephraim
(1932), *Director,* Bureau of Standards, R. H. Macy and Company, Inc., New York, N. Y.

Freedman, Louis
(1923), *Research Chemist, Assistant Technical Director,* U. S. Vitamin Corporation, 250 E. 43rd Street, New York, N. Y.

Freeland, E. C.
(1930), *Industrial Engineer,* W. R. Grace and Company, 7 Hanover Square, New York, N. Y.

Freese, Myles R.
(S.1938), Commercial Department, Queens Borough Gas and Electric Company, Lynbrook, N. Y.

French, Berlin C.
(A.1931), *Teacher of Chemistry,* North Quincy High School, Quincy, Massachusetts.

French, Dudley K.
(1938), *Engineering Chemist,* 50 Hawthorne Lane, Winnetka, Ill.

Freud, B. B.
(1937), *Professor,* Armour Institute of Technology, Chicago, Ill.

Freundlich, Leo
(1931), *Chief Chemist,* Hooton Chocolate Company, 351 North 5th Street, Newark, N. J.

Frey, Charles N.
(1936), *Director,* Fleischmann Laboratories, Standard Brands, Inc., 810 Grand Concourse, New York, New York.

Frey, Henry C.
(1938), *Vice-president,* Patek Brothers, Inc., 226 N. Water Street, Milwaukee, Wis.

Frey, Joseph
(1938), *Consulting Bio-chemist and Research in Own Laboratory on Heart and Circulation,* 5602 12th Avenue, Brooklyn, N. Y.

Frezza, Herman
(1923), 115 East 102nd Street, New York, N. Y.

Friedman, Aaron
(1934), *Consulting Chemical Engineer,* 130 W. 42nd Street, New York, New York.

Friedman, Joseph S.
(1937), *Technical Director,* Color Processes, Inc., 480 Lexington Avenue, New York, N. Y.

Friedman, Maurice
(J.1937), 1033 Elder Avenue, New York, N. Y.

Fries, Harold H.
(1923), *Owner,* Fries Brothers, 92 Reade Street, New York, N. Y.

Froelicher, Victor
(1939), *Chemist in charge of Auxiliary Products,* Geigy Company, Inc., New York, N. Y.

Froning, H. B.
(1936), *Head,* Departments of Chemistry and Chemical Engineering, University of Notre Dame, Notre Dame, Indiana.

Fuller, Donald L.
(A.1935), Address Wanted.

Fuller, F. D.
(1938), *Chief,* Division of Feed Control Service, Texas Agricultural Experiment Station, College Station, Tex.

Fuller, Henry C.
(1936), *Consulting Chemist,* 1835 Eye Street, N.W., Washington, D. C.

Fuller, Wayne R.
(1937), Marietta Paint and Color Company, Marietta, Ohio.

G

Gabeler, William H.
(1937), *General Superintendent,* The Davison Chemical Corporation, Baltimore, Maryland.

Garard, Ira D.
(1938), *Head,* Department of Chemistry, New Jersey College for Women, New Brunswick, N. J.

Gardiner, Robert F.
(1940), *Assistant Chemist,* Fertilizer Research Laboratories, U. S. Department of Agriculture, Arlington, Va.

Gardner, Henry Alfred
(1936), *President,* Gardner Laboratory; *Director,* Scientific Section Laboratories, National Paint, Varnish and Lacquer Association, 2201 New York Avenue, N. W., Washington, District of Columbia.

Gardner, William Howlett
(1935), *Supervisor,* Shellac Research Bureau; *Research Professor of Chemical Engineering,* Polytechnic Institute of Brooklyn, 99 Livingston Street, Brooklyn, N. Y.

Garnatz, George F.
(1938), *Chief of Staff,* Laboratories Division, The Kroger Food Foundation, 125 Government Square, Cincinnati, Ohio.

Gates, Julius J.
(1930), *Chemist,* Department of Purchase Testing Laboratories, 480 Canal Street, New York, N. Y.

Gaub, John
(1923), *U. S. Storekeeper, Gauger,* United States Alcohol Tax Unit, U. S. Customs House, Philadelphia, Pennsylvania.

Gay, John Richard
(A.1937), *Research Associate,* American Petroleum Institute, Interior Building, Washington, D. C.

Gebert, Emery B.
(1940), 415 Westminster Avenue, Elizabeth, N. J.

Geer, William C.
(1936), *Private Research,* 624 Highland Road, Ithaca, N. Y.

Geiger, Theodore H.
(A.1932), *Paper Technician,* Oxford Paper Company, Rumford, Maine.

Geist, H. H.
(1936), *Assistant Professor of Chemistry,* Pennsylvania State College, State College, Penna.

Genstein, Edgar S.
(1940), *President, Technical Director, General Manager,* Kem Products Company, 229 High Street, Newark, N. J.

Gerges, Wesley R.
(1936), *Chief Chemical Engineer,* The Barrett Company, Margaret and Bermuda Streets, Philadelphia, Penna.

Germuth, Frederick G.
(1940), *Head, Division of Research,* Department of Public Works, Bureau of Standards, Baltimore, Md.

Getman, Frederick H.
(1938), Hillside Laboratory, Stamford, Conn.

Gibbons, John P.
(J.1938), 938 W. Wyoming Avenue, Philadelphia, Penna.

Gibbons, Vernette L.
(1938), *Professor,* Department of Chemistry, Mills College, Mills College, Calif.

Gibbons, Willis A.
(1936), *Director of Development,* U. S. Rubber Products, Inc., Passaic, New Jersey.

Giesy, Paul M.
(1924), *Associate Professor of Chemistry,* Newark College of Engineering, 367 High Street, Newark, N. J.

Gilbert, Henry I.
(1937), *Vice-president and General Manager,* Capitol Paint and Varnish Works, Inc., 47 Rodney Street, Brooklyn, N. Y.

Gilfillan, F. A.
(1938), *Dean,* School of Science, Oregon State College, Corvallis, Ore.

Gilman, A. F.
(1938), Address Wanted.

Gilmour, C. H.
(1940), *Research Chemist,* Hall Laboratory, South Charleston, W. Va.

Ginnings, Paul M.
(1940), *Professor,* Greensboro College, Greensboro, N. C.

Ginsburg, Joseph M.
(1937), *Biochemist in Entomology,* New Jersey Agricultural Experiment Station, New Brunswick, N. J.

Glass, Hugh B.
(1938), Claridge Manor Apartments, Birmingham, Ala.

Glidden, K. E.
(1940), *Research Chemist,* Brown Company, Berlin, New Hampshire.

Gnaedinger, Robert J.
(1936), *Research Chemist,* John A. Steen Varnish Company, 327 West 37th Street, Chicago, Illinois.

Godbey, J. C.
(1938), *Head,* Department of Chemistry, Southwestern University, Georgetown, Texas.

Goetz, Alvin C.
(1940), *Manager,* Technical Service Department, Pigment Division, The Eagle-Picher Sales Company, Cincinnati, Ohio.

Goldin, Abraham S.
(J.1937), 540 - 39th Street, North Bergen, N. J.

Goldstein, Jacob C.
(1930), *Fur Dyer,* A. Hollander and Sons, Inc., 143 East Kinney Street, Newark, N. J.

Gomila, Madeline C.
(J.1930), *Assistant City Chemist,* City Hall Annex, New Orleans, Louisiana.

Goodell, J. E.
(1940), *Chemist and Bacteriologist,* Old City Hall, Penn Square, Lancaster, Penna.

Goodman, Henry G.
(1940), *Fellow,* Mellon Institute of Industrial Research, Pittsburgh, Pennsylvania.

Goodman, John B.
(1937), *Assistant Chemical Engineer,* U. S. Bureau of Mines, Experiment Station, Golden, Colo.

Goodman, Leo A.
(1929), *Research Chemist in Charge of Technical Operations,* Naturalux Products Corporation, 444 - 12th Street, Brooklyn, N. Y.

Goodwin, William P.
(J.1938), 133 Adams Street, Steelton, Pennsylvania.

Gordon, A.
(J.1937), Polytechnic Institute of Brooklyn, 99 Livingston Street, Brooklyn, N. Y.

Gordon, Benedict
(1929), *Chemist,* Board of Education, 1334 York Avenue, New York, N. Y.

Gordon, Neil E.
(1929), *Chairman,* Department of Chemistry, Central College, Fayette, Missouri.

Gordon, Robert
(A.1937), *Partner,* Gordon - Lacey Chemical Products Company, 16-18 West 22nd Street, New York, N. Y.

Gordy, Edward L.
(A.1931), *Director of Research and Development,* W. C. Hardesty Company, Inc., Dover, Ohio.

Gorman, Leo I.
(A.1938), *Chemist,* Anaconda Wire and Cable Company, Marion, Ind.

Gornowski, Edward J.
(J.1938), *Graduate Student,* University of Pennsylvania, Philadelphia, Pennsylvania.

Gortatowsky, Claude
(1935), *Assistant to Vice-president in Charge of Chemical Control,* The Coco-Cola Company, 1215 East Fort Avenue, Baltimore, Md.

Goss, Marshall J.
(1931), *Technical Assistant,* Bureau of Agricultural Chemistry and Engineering, U. S. Department of Agriculture, Washington, D. C.

Gottsch, Frank
(1929), *Fuel Engineering Chemist,* Department of Purchase Testing Laboratories, 480 Canal Street, New York, N. Y.

Gould, Arthur B.
(1936), *Professor of Chemistry,* Salem College, Salem, West Virginia.

Gould, Howard W.
(1936), *Head,* Department of Physical Science, Northern Illinois State Teachers College, De Kalb, Illinois.

Goulden, H. D.
(1939), *Chief Chemist,* Jacqueline Cochran Laboratories, 1203 Chandler Avenue, Roselle, N. J.

Grab, Eugene G.
(1923), *General Manager,* Adams Apple Products Corporation, Aspers, Pennsylvania.

Graham, Minnie A.
(1937), *Professor of Physical Science,* Queens-Chicora College, Charlotte, North Carolina.

Grand, Joseph A.
(J.1936), 1301 Harvard St., N.W., Washington, D. C.

Granger, Frederic S.
(1932), *Chemist*, William M. Grosvenor Laboratories, Inc., 50 East 41st Street, New York, N. Y.

Grant, Robert J.
(1937), *Vice-president*, Young Aniline Works, Inc., 2701 Boston Street, Baltimore, Maryland.

Gray, Daniel M.
(1938), *Assistant Superintendent*, Hazel-Atlas Glass Company, Wheeling, West Virginia.

Gray, George R.
(A.1930), *Research Engineer*, Humble Oil and Refining Company, Houston, Texas.

Gray, Philip P.
(1928), *Chief Chemist*, Wallerstein Laboratories, 180 Madison Avenue, New York, N. Y.

Grebe, John J.
(1940), *Director of Physical Research*, The Dow Chemical Company, Midland, Michigan.

Green, Leila S.
(J.1936), 1102 South Cherry Street, Canton, Ohio.

Greenbaum, Frederick R.
(1940), *Director of Pharmaceutical Research*, National Drug Company, Philadelphia, Penna.

Greenbaum, George
(J.1939), *Graduate Student*, Massachusetts Institute of Technology, Cambridge, Massachusetts.

Greenberg, Irving W.
(1935), *Consulting Research Chemist*, American Aniline Products, Inc., 50 Union Square, New York, N. Y.

Greenstein, Leon
(J.1937), *Instructor in Chemistry*, College of the City of New York, New York, N. Y.

Greenup, Harold Wilson
(1935), *Research Chemist*, Firestone Tire and Rubber Company, Fall River, Mass.

Greiff, Lotti J.
(1936), *Acting Chairman of Science*, High School of Music and Science, 135th Street and Convent Avenue, New York, N. Y.

Griffin, Merle L.
(1935), *Senior Chemist*, Shell Petroleum Corporation, Wood River, Ill.

Griffin, S. W.
(1936), *Senior Chemist*, Bureau of Agricultural Chemistry and Engineering, Department of Agriculture, Washington, D. C.

Griffith, Ivor
(1925), *Chief Chemist*, John B. Stetson Company, Philadelphia, Pennsylvania

Griffitts, Fred A.
(1937), *Professor of Chemistry*, Maryville College, Maryville, Tenn.

Grimshaw, Albert H.
(1923), *Professor, Textile Chemistry and Dyeing*, North Carolina State College, Raleigh, N. C.

Grodman, Benjamin
(1929), *Chemist*, Department of Purchase Testing Laboratories, 480 Canal Street, New York, N. Y.

Gross, Charles E.
(1936), *Director of Research*, John Morrell and Company, Ottumwa, Iowa.

Grosvenor, William M.
(1926), *President*, W. M. Grosvenor Laboratories, Inc., 50 East 41st Street, New York, N. Y.

Grosz, Oliver
(1937), Address Wanted.

Grothues, Carl
(J.1932), 1508 Curtis Street, Berkeley, California.

Grunewald, Max E.
(1938), *Secretary, Treasurer, and Chemical Engineer,* Coplay Cement Manufacturing Company, Coplay, Pennsylvania.

Gudheim, Arne R.
(1938), *Chief Chemist,* Lever Brothers Company, Edgewater, N. J.

Guest, Herbert H.
(1936), *Chief Chemist,* The J. B. Williams Company, Glastonbury, Conn.

Gunther, Francis A.
(S.1939), 2035 Veteran Avenue, W. Los Angeles, Calif.

Gurinsky, David
(J.1936), Address Wanted.

Gustavson, Reuben G.
(1938), *Chairman,* Chemistry Department, University of Colorado, Boulder, Colorado.

Gutzeit, C. L.
(1938), Address Wanted.

H

Haber, Norman
(A.1940), *Chief Chemist,* Alsamite Paint and Varnish Company, Philadelphia, Penna.

Hackney, James Carlyle
(J.1938), *Research Worker,* Department of Chemistry, North Carolina State College, Raleigh, N. C.

Haenisch, Edward L.
(1938), *Associate Professor,* Villanova College, Villanova, Penna.

Hafner, Fred H.
(J.1937), *Chemist,* 1142 Marine Trust Building, Buffalo, N. Y.

Haggerty, Cecil J.
(1936), *Professor of Chemistry,* Manhattanville College of the Sacred Heart, 133rd Street and Convent Avenue, New York, N. Y.

Haight, Margaret
(1929), Research Department, Royal Products Division of Standard Brands, Kent Avenue and Morton Streets, Brooklyn, N. Y.

Haines, Edward C.
(1936), *Chemist,* George D. Wetherill Varnish Company, Haddon Avenue and White Horse Pike, Camden, N. J.

Hale, D. R.
(1936), *Research Chemist,* R. C. A. Manufacturing Company, Inc., Harrison, N. J.

Hale, Frank E.
(1929), *Director of Laboratories,* Mt. Prospect Laboratory, 421 Flatbush Avenue, Brooklyn, N. Y.

Hale, William L.
(1936), *Chief Chemist,* The Debevoise Company, 968 Grand Street, Brooklyn, N. Y.

Hall, Albert L.
(1930), *Manager - Chemist,* Buffalo Testing Laboratories, Gerrans Building, Buffalo, N. Y.

Hall, Stanley A.
(A.1940), *Research Chemist,* Bureau of Agricultural Chemistry and Engineering, U. S. Department of Agriculture, Washington, D. C.

Hall, Sydney H.
(1937), *Chief Chemist,* Control and Semi-plant Production, General Plastics, Inc., North Tonawanda, N. Y.

Halliday, Nellie
(1936), 1026 W. 35th Street, Los Angeles, Calif.

Hamilton, W. F.
(1938), Address Wanted.

Hamlin, Marston L.
(1935), *Research and Development,* The Barrett Company, 40 Rector Street, New York, N. Y.

Hammond, John Francis
(1938), *Professor of Chemistry,* Villanova College, Villanova, Penna.

Hammond, W. A.
(1936), *Associate Professor of Chemistry,* Antioch College; *Owner and Manager,* W. A. Hammond Drierite Company, 308 Dayton Street, Yellow Springs, Ohio.

Hamor, William A.
(1931), *Assistant Director,* Mellon Institute of Industrial Research, Pittsburgh, Penna.

Hampton, Burt L.
(1940), *Research Chemist,* G and A Laboratories, Savannah, Ga.

Handy, John A.
(1936), *Department Manager and Buyer,* Larkin Company, Inc., 680 Seneca Street, Buffalo, N. Y.

Hanmer, H. Rupert
(1937), *Director of Research,* American Tobacco Company, Richmond, Va.

Hansen, Lorenz P.
(1940) *Associate Professor of Physiological Chemistry,* Jefferson Medical College, Philadelphia, Penna.

Hanson, Ernest R.
(1933), *Chief Chemist,* Bakelite Corporation, 230 Grove Street, Bloomfield, N. J.

Harden, Wilton C.
(1937), *Chief Chemist,* Hynson, Westcott and Dunning, Inc., Baltimore, Md.

Hardin, D. B.
(A.1932), *Rayon Technical Assistant,* Rayon Division, E. I. du Pont de Nemours and Company, Wilmington, Delaware.

Harding, William H.
(1937), *Head of Paper and Heavy Chemicals Department,* Technical Service Division, American Cyanamid Company, Stamford, Conn.

Harford, Zaida M.
(A.1940), *Research Chemist,* Bordon Research Laboratory, Bainbridge, New York.

Harlan, Hal R.
(1937), *Technical Director,* Hal R. Harlan Associates, 2598 Taylor Street, San Francisco, Calif.

Harlan, W. R.
(1936), American Tobacco Company, Inc., Richmond, Va.

Harmer, Josiah P.
(1937), *President,* Harmer Laboratories, Inc., Lansdowne, Penna.

Harmon, Carlyle
(1938), *Research Chemist,* Marathon Paper Mills, Rothschild, Wis.

Harper, Henry Winston
(1936), *Professor of Chemistry, Dean Emeritus of the Graduate School,* The University of Texas, Austin, Texas.

Harper, Robert Brinton
(1936), *Vice-president,* The Peoples Gas Light and Coke Company, 122 South Michigan Avenue, Chicago, Ill.

Harrington, V. F.
(1937), *Research Chemist,* Boston Blacking and Chemical Company, Cambridge, Mass.

Harris, Benjamin R.
(1923), *Vice-president,* The Emulsol Corporation, 59 East Madison Street, Chicago, Ill.

Harris, Cecil K.
(J.1933), *Assistant Chemist,* Agricultural Experiment Station, University of Nevada, Reno, Nevada.

Harris, Hillman C.
(J.1935), Technological Laboratory, U. S. Bureau of Fisheries, College Park, Md.

Harris, Joel S.
(1935), *Chemist,* Durite Plastics, Philadelphia, Penna.

Harrisson, Joseph W. E.
(1925), *Consulting Chemist,* LaWall and Harrisson, 214 South 12th Street, Philadelphia, Penna.

Harrouff, Earl R.
(1938), *Investigator,* Alcohol Tax Unit, U. S. Treasury Department, Kansas City, Missouri.

Hart, David
(1928), *Assistant Professor of Chemistry,* Brooklyn College, Brooklyn, New York.

Hart, H. B.
(1938), *Head,* Department of Chemistry, Jamestown College, Jamestown, North Dakota.

Hart, Ralph
(1932), *President and Chemical Director,* The Hart Products Corporation, 1440 Broadway, New York, New York.

Hartman, Robert J.
(1938), *Assistant Professor,* Department of Chemistry, Indiana University, Bloomington, Ind.

Hartmann, Alfred E.
(J.1932), *Research Chemist,* Robert Rauh, Inc., 480 Frelinghuysen Avenue, Newark, N. J.

Hartsook, A. J.
(1938), *Assistant Professor of Chemical Engineering,* The Rice Institute, Houston, Tex.

Hartung, Walter H.
(1936), *Professor of Pharmaceutical Chemistry,* School of Pharmacy, University of Maryland, Baltimore, Md.

Hartwig, Carl E.
(1929), *Consulting Chemist,* Manasquan, N. J.

Harvey, Aubrey E., Jr.
(J.1939), Department of Chemistry, Syracuse University, Syracuse, N. Y.

Harvey, Mary G.
(1940), *Assistant Professor,* Bradley Polytechnic Institute, Peoria, Ill.

Haskins, Caryl P.
(1940), *Consultant,* Haskins Laboratories, 480 Lexington Avenue, New York, N. Y.

Hawes, William W.
(1937), *Chemist,* Union Carbide and Carbon Research Laboratories, Inc., Niagara Falls, N. Y.

Hawk, Philip B.
(1929), *President,* Food Research Laboratories, Inc., 4814 - 33rd Street, Long Island City, N. Y.

Hawkins, John E.
(1938), *Associate Professor,* Department of Chemistry, University of Florida, Gainesville, Fla.

Hayden, E. Mc K.
(1937), *Technical Director, Vice-president and Secretary,* The Stanley Chemical Company, East Berlin, Connecticut.

Heath, Fred H.
(1938), *Professor,* Department of Chemistry, University of Florida, Gainesville, Fla.

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(1938), *Research Engineer,* E. J. Lavino and Company, Box 29, Pittsburgh, Pennsylvania.

Heckel, James E.
(1939), *Technical Salesman,* R. T. Vanderbilt Company, Inc., 230 Park Avenue, New York, N. Y.

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Helin, Arthur F.
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Helm, E. B.
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Hemperly, William F.
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Henderson, James S.
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Hendrix, B. M.
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Henry, G. F.
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Henze, Henry R.
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Hermann, S. M.
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Hermanson, Joseph L.
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Heuse, Edward O.
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Higley, L. Allen
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Hill, A. Garrett
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Hill, Arthur J.
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Hill, Douglas G.
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Hill, W. H.
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Hill, William L.
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Hillman, William P., Jr.
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Hinkle, S. F.
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Hoke, Calm M.
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Hopkins, B. S.
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Hopper, Frederick N.
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Hostetter, J. C.
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Howland, George A.
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Hubbard, W. S.
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Hughes, William J.
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Hulett, George A.
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Hunt, William H.
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Hussey, Robert E.
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Huston, Ralph C.
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Isenhour, L. L.
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Jacobus, David D.
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Jensen, O. G.
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Johnson, Edward S.
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Johnson, George H.
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Johnson, J. G.
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Johnson, Mildred A.
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Johnson, Treat B.
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Jones, Ernest Victor
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Jordan, Walter E.
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Kesler, C. C.
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Kessler, E. H.
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Kew, Theodore J.
(1940), *Chief Chemist,* Dr. Phillips Company, Orlando, Fla.

Keyes, D. B.
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Kline, Harry
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Kline, Hayden B.
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Knight, B. H.
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Koch, G. P.
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Koch, Wilmer H.
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Koenig, E. W.
(1937), *Director of Research,* Consolidated Feldspar Corporation, Erwin, Tennessee.

Koenig, Walter J.
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Krause, Arlington C.
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Lang, Louis
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Lange, Alfred R.
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Lawrence, W. Stanley
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Layng, Edwin T.
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Leigh, Townes R.
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Leonard, Clifford Shattuck
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Lessig, E. T.
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Lesuk, Alexander
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Levy, Samuel C.
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(1923), *General Chemist,* Michigan Sugar Company, Second National Bank Building, Saginaw, Mich.

Lindow, Carl W.
(1936), *Director of Research,* Kellogg Company, Battle Creek, Mich.

Lindwall, Harry G.
(1932), *Professor of Chemistry and Chairman,* New York University, University Heights, New York, N. Y.

Linz, Arthur
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Little, Ernest
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Littleton, Leonidas R.
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Littman, J. B.
(1940), *Chief Chemist,* Packard Electric Division, General Motors Corporation, Warren, Ohio.

Lloyd, Stewart J.
(1923), *Dean of the School of Chemistry, Metallurgy, and Ceramics,* University of Alabama, University, Ala.

Locke, Arthur Preston
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Lomanitz, S.
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(1937), *Director of Research,* Manufacturing Department, International Salt Company, Inc., Ithaca, N. Y.

Lord, Erskine D.
(1940), *Chief Chemist and Assistant Superintendent,* J. S. Barnet and Sons, Inc., Marblehead, Mass.

Lott, W. A.
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Lotz, Paul L.
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Lukens, Hiram S.
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Lusskin, Abraham
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Lynch, D. F. J.
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MacGee, A. Ernest
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Mack, Darrel E.
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Mack, Pauline Beery
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Mackenzie, K. G.
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Markley, K. S.
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Marshall, Housden L.
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Martin, Lena
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Martino, Lawrence C.
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Mason, J. Marshall
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Mason, Thomas W.
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Matthews, Frederic Lawrence, Jr.
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Maxson, Robert Nelson
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May, George E.
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May, Orville E.
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Maynard, Edward W.
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Meiter, E. G.
(1938), *Director Industrial Hygiene Laboratory*, Employers Mutuals Insurance Company, Milwaukee, Wis.

Mellon, M. G.
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Melsheimer, L. A.
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Meltsner, M.
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Miller, Lawrence P.
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Miller, Meredith R.
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Miller, Pharis
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Minne, Nels
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Montgomery, Jack P.
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Morrell, Jacque C.
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Moser, Frank H.
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Mostello, Anthony J.
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Murphy, Walter J.
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Muskat, Irving E.
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Ogg, Earl F.
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Oliver, Lorenzo, Jr.
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(1939), *Research Chemist,* Shell Petroleum Refinery, Houston, Texas.

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(1936), *Laboratory Chief,* Devoe-Raynolds Company, Inc., 34 Oliver Street, Newark, N. J.

Parks, W. B.
(1936), *Professor of Chemistry,* Kansas State Teachers' College, Pittsburg, Kansas.

Partridge, Edward G.
(1938), *Research Chemist,* B. F. Goodrich Company, Akron, Ohio.

Pastene, A. J.
(1923), *Chemist,* Monsanto Chemical Works, St. Louis, Mo.

Patch, Richard H.
(1937), *Vice-president and Treasurer,* E. F. Houghton and Company, 240 W. Somerset Street, Philadelphia, Pennsylvania.

Patton, Leicester
(1937), *Consulting and Analytical Chemist,* Buckmaster-Patton Laboratory, 711 Pennsylvania Avenue, Pittsburgh, Penna.

Paul, Ira
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Payne, Henry Fleming
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Peakes, Lawson V., Jr.
(1940), *Research Chemist,* Beech-nut Packing Company, Canajoharie, N. Y.

Pearce, George W.
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Peiker, Alfred L.
(1934), *Research Chemist,* Calco Chemical Company, Inc., Bound Brook, N. J.

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Perkins, Robert L.
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Perley, George A.
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Perry, Margaret C.
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Peter, Alfred M.
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Peterson, John Albert
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Petty, Gerald M.
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(1929), *Chemist,* The Calco Chemical Company, Inc., Bound Brook, New Jersey.

Pfluger, Helmuth L.
(1940), *Research Chemist,* Kendall Company, Woonsocket, R. I.

Pfund, Marion C.
(1937), *Professor of Foods and Nutrition,* Cornell University, Ithaca, New York.

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(1937), *Technical Director,* Laundry Supplies Division, H. Kohnstamm and Company, Inc., 83-93 Park Place, New York, N. Y.

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(1937), *Chemist,* Reilly Electrotype Company, Inc., 216 East 45th Street, New York, N. Y.

Phillips, G. W. Macpherson
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Pierce, H. B.
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Pinnock, D. R.
(1928), *Chief Chemist and Production Manager,* Wood and Selick, Inc., 36 Hudson Street, New York, N. Y.

Pitman, Earle C.
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Plauka, John W.
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Pollak, Irving D.
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Pollard, C. B.
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Pollard, E. F.
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Pollard, Frank H.
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Pollock, Abraham A.
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Pomerene, Elizabeth
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Porter, J. M.
(1937), *Chemical Engineer,* American Cyanamid and Chemical Corporation, Linden, N. J.

Post, Howard W.
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Powders, John A.
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Powick, Wilmer C.
(1923), *Biochemist,* U. S. Bureau of Animal Industry, Washington, District of Columbia.

Pozen, Morris A.
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Pratt, Malcolm F.
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Price, Donald
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Prince, A. W.
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Pritham, Gordon H.
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Prober, Maurice
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(1936), *Research Associate,* Connecticut Agricultural Experiment Station, New Haven, Conn.

Purdy, John M.
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Putt, Earl B.
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Q

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Quinn, Edmond John
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R

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Raiford, L. Charles
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Ralston, Anderson W.
(1939), *Chief Research Chemist,* Armour and Company, Chicago, Ill.

Ramage, William D.
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Rambo, J. C.
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Ramler, Edward O.
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Rampino, Louis D.
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Rantzman, Eli
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Rasch, Carl H.
(1935), *Technical Director,* Riverside Chemical Company, N. Tonawanda, New York.

Rattiner, A. Alan
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Rawles, William T.
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Rawling, Francis G.
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Read, William Thornton
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Redman, Lawrence V.
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Redmon, Bryan C.
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Reinhart, Frank W.
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Reinmuth, Otto
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Remington, Roe E.
(1938), *Professor of Chemistry and Director of the Food Research Laboratory,* Medical College of the State of South Carolina, Charleston, S. C.

Renoll, Mary
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Riale, Frank H.
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Rice, Whitman
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Rich, R. C.
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Richardson, Alan H.
(1936), *Industrial and Security Analyst,* Laurence M. Marks and Company, 49 Wall Street, New York, New York.

Richer, Archibald S.
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Rieger, John A.
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Rieman, William, 3rd
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Riggs, Lloyd K.
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Riley, Horace E.
(1935), 42 Franklin Street, Verona, New Jersey.

Rinkenbach, William H.
(1923), *Chief Chemist,* Picatinny Arsenal, Dover, N. J.

Rising, L. W.
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Ritchie, Walter Stuntz
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Rivise, Charles W.
(1932), *Patent Attorney,* Caesar and Rivise, 1321 Arch Street, Philadelphia, Penna.

Roberts, Elliott John
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Roberts, George L.
(1940), *Chief Chemist,* United Carbon Company, Charleston, West Virginia.

Roberts, Sidney H.
(1936), *Chemist,* Medical Department, Aetna Life Insurance Company, Hartford, Conn.

Roberts, Willard L.
(1940), *Research Chemist,* General Foods Corporation, Battle Creek, Michigan.

Robey, Ashley
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Robinette, Hillary, Jr.
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Roblin, Richard O., Jr.
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Robson, Arthur D.
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Rockwell, Donald M.
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Rose, William
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Rosenblum, Israel
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Rosin, Joseph
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Ross, William H.
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Rosser, Charles M.
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Rudd, Julius F.
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Rudd, W. F.
(1940), *Dean,* Medical College of Virginia, Richmond, Va.

Rudolfs, Willem
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Rumold, Christian F.
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Russell, Charles D.
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Sague, Mary Landon
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Salley, Donovan J.
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Sand, Ole O.
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Sanders, J. P.
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Sanderson, John McE.
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Saunders, Paul C.
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Scalera, Mario
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Schaeffer, H. F.
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Schaeffer, John A.
(1923), *President,* Franklin and Marshall College, Lancaster, Penna.

Scharf, Reinhard W.
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Scheller, Ernest
(1936), Puritan Apartments, Louisville, Kentucky.

Schenberg, Samuel
(1937), *Chairman,* Physical Science Department, Lafayette High School, Brooklyn, N. Y.

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Schmeidler, Robert
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Schmidt, E. H.
(1940), *Chief Chemist,* Borne-Scrymser Company, Elizabeth, New Jersey.

Schmidt, Marguerite M.
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Schmitz, Gunther H.
(1929), *Chemist,* The Ault and Wiborg Company, 75 Varick Street, New York, N. Y.

Schneider, Frank
(1940), *Instructor,* Department of Chemistry, Queens College, Flushing, L. I., New York.

Schneider, George
(1929), *Technical Director,* Celanese Corporation of America, 180 Madison Avenue, New York, N. Y.

Schneider, Julius L.
(1938), *Chemical Engineer,* Continental Can Company, Chicago, Ill.

Schneider, Solomon
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Schneider, Solomon D.
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Schott, John E.
(1923), *Research Chemist,* Tide Water Oil Company, Bayonne, N. J.

Schrimpe, Conrad F.
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Schumacher, Robert H.
(1923), *Research and Consulting Chemist,* 225 Burton Street, Bellflower, California.

Schur, M. O.
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Schuyler, William H.
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Schwartz, Israel
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Schwarz, Maurice W.
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Schwarz, Robert
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Scott, Austin A.
(1937), *Chief Chemist,* Nestle's Milk Products, Inc., New York, N. Y.

Scott, G. C.
(1940), *Director of Research,* Minnesota Valley Canning Company, Le-Sueur, Minn.

Scott, Walter M.
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Seaman, William
(1936), *In charge of Laboratory for Analytical Research,* Calco Chemical Company, Bound Brook, N. J.

Sease, Virgil B.
(1936), *Research Director,* Du Pont Film Manufacturing Corporation. Parlin, New Jersey.

Seaton, Max Y.
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Seegers, Walter H.
(1940), *Research Associate,* The State University of Iowa, College of Medicine, Department of Pathology, Iowa City, Iowa.

Segerblom, Wilhelm
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Seubert, John E.
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Shelton, Elbert M.
(1937), *Research Chemist,* The Tannin Corporation, Bethwood Research Laboratory, Amity Road, Bethany, Connecticut.

Shepard, Alvin F.
(1935), *Chief Research Chemist,* General Plastics, Inc., N. Tonawanda, New York.

Shepard, Nat L.
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Shepard, Norman A.
(1929), *Director of Technical Service,* American Cyanamid Company, Stamford, Conn.

Sheridan, Richard Brinsley
(1923), *Metallurgist,* J. H. Williams and Company, 400 Vulcan Street, Buffalo, N. Y.

Sheridan, William R.
(1932), *Chief Chemist,* Dunlop Tire and Rubber Corporation, Buffalo, New York.

Sherman, Clarence S.
(1939), *Instructor,* Cooper Union, New York, N. Y.

Sherman, Jack
(1939), Address Wanted.

Sherwood, A. F.
(1939), *Chief Chemist,* Southern Railway Company, Alexandria, Virginia.

Shingler, G. P.
(1938), *Senior Chemist,* Naval Stores Station, Bureau of Agricultural Chemistry and Engineering, U. S. Department of Agriculture, Olustee, Fla.

Shive, Roy A.
(1934), *Research Chemist,* Calco Chemical Company, Inc., Bound Brook, N. J.

Shorey, Edmund C.
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Shuey, Ralph C.
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Shull, Kenneth E.
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Sievenpiper, Frederic L. R.
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Simons, Eric J. H.
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Smith, Leighton B.
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Smith, Leonard
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(1923), *Chemist and Engineer, Vice-president and Technical Director,* Ledoux and Company, Inc., 155 Sixth Avenue, New York, N. Y.

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Smyth, Henry F., Jr.
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Snyder, Andrew J.
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Snyder, Edward F.
(1928), *Associate Biochemist,* Bureau of Agricultural Chemistry and Engineering, U. S. Department of Agriculture, Washington, D. C.

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Soff, LeRoy D.
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(1923), *Consultant,* 224 Bell Avenue, Hasbrouck Heights, N. J.

Sontag, Lothar A.
(1938), *Research Chemist,* General Plastics, Inc., North Tonawanda, N.Y.

Sowa, F. J.
(1940), *Consulting Organic Chemist,* Cranford, New Jersey.

Sparks, William J.
(1940), *Chief,* Oil and Protein Division, Northern Regional Laboratories, Peoria, Illinois.

Spencer, Hugh M.
(1937), *Assistant Professor,* Cobb Chemical Laboratory, University of Virginia, Charlottesville, Va.

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Squire, Frederick John
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Stanford, Spencer C.
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Steenbock, Harry
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Steffens, Carsten
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Steffens, John A.
(1923), *Consulting Chemist*, Suffern, New York.

Steik, Karl T.
(1936), *Consulting Chemist*, National Oil Products Co., Harrison, N. J.

Stein, Harold J.
(1939), *Instructor in Nutrition*, Teachers College, Johns Hopkins University, Baltimore, Md.

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Stericker, William
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Stewart, Clifford R.
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Stewart, Jeffrey R.
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Stewart, Vincent E.
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Stiles, Hugh R.
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Street, John N.
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Strickler, Alvin
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Stright, Benjamin Morrow
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Strobel, Albert F.
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Stubbs, Joseph J.
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Stuntz, Calvin F.
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Sullivan, Joseph J.
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Sumner, James B.
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Sumner, J. K.
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Supplee, G. C.
(1937), *Associate Director of Research*, The Borden Company, Research Laboratories, Bainbridge, N. Y.

Sutton, Carroll R.
(1937), *Detroit Branch Manager*, Commercial Solvents Corporation, 1900 E. Jefferson Avenue, Detroit, Michigan.

Swackhamer, Farris S.
(J.1937), *Chemist*, American Cyanamid Company, Stamford, Conn.

Swain, Robert C.
(1935), *Research Chemist*, American Cyanamid Company, Stamford, Connecticut.

Swan, William O.
(1939), *Head*, Department of Chemistry, Virginia Military Institute, Lexington, Virginia.

Swartout, John A.
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Sweeney, W. J.
(1938), *Associate Director*, Esso Laboratories, Elizabeth, N. J.

Swenson, T. Lowell
(1939), *Director of Laboratory*, Western Regional Research Laboratory, U. S. Department of Agriculture, Albany, California.

Swern, Daniel
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Swisher, Margaret C.
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Tanner, H. G.
(1937), *Chemist,* E I. du Pont de Nemours and Company, Experimental Station, Wilmington, Del.

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Taylor, A. Lloyd
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Taylor, Harden Franklin
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Taylor, Maurice C.
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Ten Broeck, Walter T. L.
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Thews, Karl B.
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Thomas, Charles L.
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Thompson, Joseph John
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Thompson, Willard C.
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Thornton, S. F.
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Thrun, Walter E.
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Tibbetts, Isabel W.
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Tormey, Harold J.
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Touchstone, J. H.
(1940), *Professor*, Philander Smith College, Little Rock, Ark.

Toulouse, J. H.
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Tremearne, T. H.
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Trevithick, H. P.
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Trimble, Harry C.
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Trout, William E., Jr.
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Truesdail, Roger W.
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Trusler, Ralf B.
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Tucker, Harold H.
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Turer, Jack
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Turkington, Victor H.
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Turno, Irene A.
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Volk, N. J.
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Voorhees, Vanderveer
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Voris, Louis R.
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W

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Wade, Worth
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Wagner, Glenn H.
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Wait, Justin F.
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Wakefield, Harold F.
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Walker, John C.
(1938), Cities Service Oil Company, Bartlesville, Oklahoma.

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Wallis, Everett S.
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Walton, George P.
(1928), *Associate Biochemist,* U. S. Department of Agriculture, Washington, D. C.

Ward, George E.
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Waters, Charles E.
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Watson, J. W.
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Way, Elmer F.
(1935), *Secretary-treasurer, Technical Director,* The Durfee Company, Grand Rapids, Mich. Also *Secretary-treasurer,* The Industrial Laboratories, Inc., Grand Rapids, Mich.

Weaver, Christian
(1938), *Dean,* School of Brewing Technology, National Brewers' Academy, 315 Fourth Avenue, New York, New York.

Weaver, F. F.
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Weaver, Willis K.
(1939), *Chief Chemist,* Baxter Laboratories, Inc., College Point, N. Y.

Webber, Robert Alfred
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Weber, M. G.
(1923), *Consulting Chemist;* 37 Warren Court, South Orange, N. J.

Wechsler, Ralph
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Wechter, E. J.
(1938), *Research Chemist,* Louisville Cement Company, Speed, Indiana.

Weelands, J. E.
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Weidenbaum, Bernhardt
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Weidlein, E. R.
(1929), *Director,* Mellon Institute of Industrial Research, Pittsburgh, Pennsylvania.

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Weinstein, Reuben
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Weisberg, Samuel M.
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Weiser, Harry B.
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Weiss, John Morris
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Wells, Percy A.
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Welty, Frederick, III.
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Wendt, Gerald
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Wernert, Ignatius J.
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(1938), *Professor of Organic Chemistry,* University of Arkansas, Fayetteville, Ark.

West, Byron L.
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Wetterau, Paul C.
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White, Chester M.
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White, Mollie G.
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White, W. C. O.
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White, William T.
(1936), *Chemist,* Tennessee Valley Authority, Fertilizer Works, Wilson Dam, Ala.

Whiteford, G. H.
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Whitesell, W. A.
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Whitman, J. Laurence
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Wilbur, Ralph C.
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Wilcox, David Henry, Jr.
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Willard, Mary L.
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Williams, Edward G.
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Williams, James H.
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Williams, John F.
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Williams, Kenneth T.
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Williams, Leon Frank
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Williamson, C. S., Jr.
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Wilson, Arthur John
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Wilson, George W.
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Wilson, John L.
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Wilson, Roy R.
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Wing, Henry J.
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Winninghoff, W. J.
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Womack, Madelyn
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(1940), *Consultant and Professor,* Box 292, Flushing, L. I., N. Y.

Young, Joseph H.
(1936), Address Wanted.

Z

Zahn, Kenneth V.
(J.1939), *Junior Chemist,* Bureau of Agricultural Chemistry and Engineering, U. S. Department of Agriculture, Washington, D. C.

Zahnd, Hugo
(1929), *Assistant Professor in Chemistry,* Brooklyn College, Bedford Avenue and Avenue H, Brooklyn, New York.

Zerban, Frederick W.
(1928), *Chemist in Charge,* New York Sugar Trade Laboratory, Inc., 113 Pearl Street, New York, N. Y.

Zimmerman, Bernhard G.
(A.1938) *Research Chemist and Chemical Engineer,* General Aniline Works, Inc., Grasselli, N. J.

Zinsser, Frederick G.
(1938), *Manufacturing Chemist,* Zinsser and Company, Inc., Hastings-on-the-Hudson, New York.

Zons, Frederick W.
(1923), *Consulting Chemical Engineer,* 239 Centre Street, New York, New York.

Zoole, Leonard
(1923), *Chief Chemist,* Navy Yard, Building 121, Philadelphia, Penna.

SUMMARY

	1940	1939
Honorary Members	7	7
Life Members	7	3
Fellows	1346	1186
Associates	114	101
Juniors	158	127
Students	8	7
	1621	1431

Geographical Distribution

ALABAMA

Auburn

Volk, N. J.

Birmingham

Bliss, A. Richard, Jr.
Glass, Hugh B.
Jones, Ernest Victor
Xan, John

Spring Hill

Deignan, J. V.

Tuscaloosa

Coles, Henry L.

University

Carmichael, Emmett B.
Lloyd, Stewart J.
Montgomery, Jack P.
Palmer, George D.

Wilson Dam

Frear, George L.
Ogg, Earl F.
White, William T.

ARIZONA

Tucson

Anderson, Ernest
Bacal, Harry S.

ARKANSAS

Crossett

Chesley, Kenneth G.

Fayetteville

Kik, M. C.
Wertheim, E.

Little Rock

Shukers, Carrol F.
Touchstone, J. H.

State College

Robey, Ashley

CALIFORNIA

Albany

Swenson, T. Lowell

Bellflower

Schumacher, Robert H.

Berkeley

Cleveland, T. K.
Grothues, Carl
Williams, Kenneth T.

Beverly Hills
Ehrlich, J.

Emeryville
Byck, Harold T.

Huntington Park
Boddington, Henry D.

Los Angeles
Baughman, Imo P.
Brinton, Paul H. M. P.
Butcher, Bessie E.
Chace, Edward M.
Gunther, Francis A.
Halliday, Nellie
Jones, Lauder W.
Maas, Arthur R.
Smith, J. Frank
Stewart, Clifford R.
Truesdail, Roger W.
Utt, Chester A. A.

Menlo Park
Wilder, H. Kenneth

Mills College
Gibbons, Vernette L.

Oakland
Isenhour, L. L.

Palos Verdes Estates
Bray, Ulric B.

Pasadena
Alles, Gordon A.

Redlands
Jones, S. Guy

Riverside
Leinau, Roberts, Jr.

San Francisco
Harlan, Hal R.
Hutshing, Edwin E.
Juilly, Marcel E.
O'Leary, Lawrence A.
Ramage, William D.
Stewart, Wayne M.

Torrance
Dubbs, Leland A.

Wilmington
Merrill, David R.

COLORADO

Boulder
Dean, Paul M.
Ekeley, John B.
Gustavson, Reuben G.
Kuti, Albert J.

Colorado Springs
Douglas, Frank W.

Denver
Chernoff, Lewis H.
Nelson, Alfred C.
Nice, Paul S.

Golden
Goodman, John B.

Fort Collins
Whiteford, G. H.

CONNECTICUT

Bethany
Shelton, Elbert M.

Bridgeport
Fanto, Emil C.
Novak, I. J.
Omohundro, A. L.

East Berlin
Hayden, E. McK.

Glastonbury
Guest, Herbert H.

Hartford
Ficklen, Joseph B.
Hostetter, J. C.
Krieble, Vernon K.
Roberts, Sidney H.

Middletown
Hoover, Charles R.

Naugatuck
Horn, William J.

New Haven
Bengis, Robert O.
Brinkley, Stuart R.
Cavelti, John E.
Cowgill, George R.
Donleavy, John J.
Hill, Arthur J.
Johnson, Treat B.
Lesuk, Alexander
Mackintosh, James H.
Pucher, George W.
Van Name, Ralph G.

New London
Kelly, Margaret W.

Seymour
Blume, M. C.
Freed, Meyer L.

South Norwalk
Stickle, F. J.

Springdale
Cardarelli, Eugene J.

Stamford
Adams, Pierrepont
Averell, Philip R.
Biann, William A.
Bradley, Theodore F.
Bucy, E. H.
Christmann, Ludwig J.
Davis, Arnold R.
Davis, Harold S.
Durant, Walter W.
Fisher, Harry L.
Getman, Frederick H.
Harding, William H.
McClellan, Paul P.
Moore, L. P.
Payne, Henry Fleming
Redmon, Bryan C.
Roblin, Richard O., Jr.
Rochow, Theodore G.
Salley, Donovan J.
Shepard, Norman A.
Stiegler, H. W.
Swackhamer, Farris S.
Swain, Robert C.
Williams, James H.
Woodford, Lois W.

Waterbury
Belfit, Robert W.

Westport
Darby, George M.
Roberts, Elliott John

DELAWARE

Holly Oak
Bond, William G.

Newport
Ball, Robert W.
Broeker, John F.

Wilmington
Bridgwater, Ernest R.
Calcott, W. S.
Hardin, D. B.
Kraemer, Elmer O.
Lenher, Samuel
Maurer, George
Maynard, Edward W.
McDermott, Frank A.
Nollau, Edgar H.
Tanner, H. G.
Wuertz, A. J.

DISTRICT OF COLUMBIA

Washington
Acree, Salomon F.
Adams, J. Richard
Anderson, Myron S.
Bohannan, Joseph B.
Bradshaw, Anis P.
Briese, Reinhold R.
Browne, Harold H.
Byers, Horace G.
Coe, Mayne R.
Concannon, C. C.
Couch, James F.
Cromer, George W.
Dawson, Paul R.
Deemer, R. B.

Delahanty, Thomas W.
Diner, Irene C.
Evenson, Oscar L.
Finn, Alfred Nelson
Fort, Charles A.
Fuller, Henry C.
Gardner, Henry Alfred
Gay, John Richard
Goss, Marshall J.
Grand, Joseph A.
Griffin, S. W.
Hall, Stanley A.
Hibben, James H.
Hill, William L.
Hummer, Richard W.
Jackson, Richard F.
Joshel, L. M.
Knight, Henry G.
Lanman, Lewis H.
Lawson, Julian K., Jr.
Leatherman, Martin
LeClerc, J. A.
Lourie, Harry L.
Lundstrom, Frank O.
Lynch, D. F. J.
Makower, Benjamin
Marble, John P.
Markley, K. S.
Markwood, Louis N.
Marshall, Housden L.
Mason, J. Marshall
May, Orville E.
McBurney, John W.
McGrath, Francis P.
McLaren, James A.
Mehring, Arnon L.
Mehurin, Roger M.
Merz, Albert R.
Murray, Bernard G.
Noble, Wesley Moulton
Powick, Wilmer C.
Rader, Lewis F., Jr.
Reinhart, Frank W.
Roe, Edward T.
Rolland, Mary A.
Ross, William H.
Scott, Walter M.
Senseman, Cornelius E.
Shorey, Edmund C.
Snyder, Edward F.
Stirton, Alexander James
Stubbs, Joseph J.
Swern, Daniel
Tabenkin, Benjamin
Taylor, James N.
Tremearne, T. H.
Umberger, Ernest J.
Ventre, Emil K.
Walton, George Pelham
Ward, George E.
Wells, Lansing S.
Wells, Percy A.
Whittaker, Colin W.
Williams, John F.
Wright, Philip A.
Zahn, Kenneth V.

FLORIDA

Gainesville

Black, A. P.
Hawkins, John E.
Heath, Fred H.
Leigh, Townes R.
Pollard, C. B.
Smith, F. B.

Lakeland

Bly, R. S.

Miami

Tanner, W. Lee

Olustee

Shingler, G. P.

Orlando

Kew, Theodore J.

Pensacola

Palmer, R. C.

Tallahassee

Stewart, Vincent E.

Tampa

Bodé, Donald D.

Winter Park

Anderson, Winslow S.

GEORGIA

Atlanta

Boggs, Gilbert H., Sr.
Dumas, William C.
Howland, George A.
Plummer, James Kemp

Emory University

Cross, Loy B.

Experiment

Holley, Kirk T.

Macon

Kurtz, H. F.

Milledgeville

Martin, Lena

Savannah

Hampton, Burt L.

IDAHO

Moscow

Owens, H. S.

ILLINOIS

Chicago

Abson, Gene
Bare, Bruce M.
Beegle, Frank M.
Bost, William D.
Bowman, Jay
Burgess, C. F.
Burns, Frank B.
Case, F. O.
Cohn, David J.
Crowley, C. A.
De Leeuw, Philip M.
Dietrich, Harold E.
Doty, M. B.
Egloff, Gustav
Epstein, Albert K.
Flugge, S. L.
Foerster, Clemence
Freud, B. B.
Gaedinger, Robert J.
Harper, Robert Brinton
Harris, Benjamin R.
Hindley, Robert W.
Ipatieff, V. N.
Krause, Arlington C.
Kritchevsky, Wolf
MacGee, A. Ernest
Mackey, Robert John
Mark, Hubert J.
Moore, Charles G.
Morrell, Jacque C.
Murphy, George B.
Ralston, Anderson W.
Reinmuth, Otto
Riggs, Lloyd K.
Rubek, Daniel D.
Schneider, Julius L.
Shackell, Leon F.
Voorhees, Vanderveer
Wurster, Oscar H.

Chicago Heights

Adler, Howard

Decatur

Ransom, James H.

De Kalb

Gould, Howard W.

East St. Louis

Fortner, Louis R.
Shepard, Nat L.
Stickney, Edward G.
Wagner, Glenn H.

Evanston

Swartout, John A.

Gillespie

Dodge, Lawrence E.

Joliet

Johnson, George H.

Kankakee

Ford, T. C.

Maywood

Lueck, R. H.
Nicoll, John M.

Peoria

Baker, William B.
Harvey, M. Gertrude
Sparks, W. J.

Riverside

Thomas, Charles L.
Tobiasson, George T.

Rockford
Bruner, Richard C.
Elliott, Edison C.
Johnson, J. G.

Urbana
Beckel, Arthur C.
Buswell, A. M.
Clark, George L.
Hopkins, B. S.
Hopper, T. H.
Keyes, D. B.
Womack, Madelyn

Wilmette
Jones, Hilton Ira

Winnetka
French, Dudley K.

Wood River
Griffin, Merle L.
Wilbur, Ralph C.

INDIANA

Bloomington
Briscoe, Herman T.
Hartman, Robert J.

Evansville
Strickler, Alvin

Lafayette
Degering, Ed. F.
Kraybill, Henry R.
Mack, Darrel E.
Mellon, M. G.

Marion
Boyle, James S.
Dixon, John G., Jr.
Gorman, Leo I.

Notre Dame
Froning, H. B.

South Bend
Taggert, Matthew F.

Speed
Wechter, E. J.

Terre Haute
Campbell, Arthur William
Lansing, Arthur C.
Stiles, Hugh R.

Valparaiso
Thrun, Walter E.

Whiting
Wilson, Roy R.

IOWA

Ames
Reid, J. David
Yoder, Lester

Cedar Rapids
Kesler, C. C.

Iowa City
Bond, Perry A.
Coleman, George H.
Raiford, L. Charles
Seegers, Walter H.

Mount Vernon
Culbertson, J. B.

Ottumwa
Gross, Charles E.

KANSAS

Lindsborg
Hermanson, Joseph L.

McPherson
Hershey, J. Willard

Pittsburg
Parks, W. B.

Winfield
Albright, Penrose S.

KENTUCKY

Fort Knox
Dondes, Seymour

Lexington
Averitt, S. D.
Maxson, Robert Nelson
McHargue, J. S.
Peter, Alfred M.

Louisville
Ludwig, Louis E.
Rose, William
Scheller, Ernest

LOUISIANA

Baton Rouge
Brown, Cecil L.
Fasce, E. V.

Gramercy
Meade, George P.

New Orleans

Beard, Howard H.
Freas, Raymond
Gomila, Madeline C.
Levey, Harold A.
MacDonald, Neil F.
Moseley, Hal W.
Newton, Harry P.
Pollard, E. F.
Williams, Edward G.
Williamson, C. S., Jr.

Shreveport

Entrikin, John B.

MAINE

Rumford

Geiger, Theodore H.

MARYLAND

Baltimore

Andrews, Donald H.
Arnold, William S.
Bauer, John C.
Darrin, Marc
Day, Harry G.
DuMez, A. G.
Dunning, Fitzgerald
Dunning, H. A. B.
Gabeler, William H.
Germuth, Frederick G.
Gortatowsky, Claude
Grant, Robert J.
Harden, Wilton C.
Hartung, Walter H.
Kasper, John S.
Keiles, Elsa Orent
Kelley, Louise
Matthews, Norris W.
Muller, Julius F.
Reid, E. Emmet
Rieger, John A.
Sauchelli, Vincent
Schmidt, Marguerite M.
Siegel, Maurice
Stein, Harold J.
Strasburger, LeRoy V.
Strobel, Albert F.
Warth, Albin H.
Weisberg, Samuel M.

Beltsville

Nicolet, Ben H.

Bethesda

Bowen, C. Verne

Chevy Chase

Krynitsky, John A.

College Park

Bower, Francis M.
Harris, Hillman C.
Smith, Leonard

Cumberland

Bolinger, E. Dare

Edgewood

Avedekian, Souren Z.

Hagerstown

Metro, Francis G.
Voris, Louis R.

Indian Head

Coster, H. M.

Luke

Rawling, Francis G.

Perry Point

Finley, Mark F., Jr.

Silver Spring

Heiss, Louis R.

Westminster

Schofield, Samuel B.

MASSACHUSETTS

Amherst

Chamberlain, Joseph S.
Ritchie, Walter Stuntz

Boston

Arnoff, Albert I.
Borg, Henry L.
Cabot, Samuel
Esselen, Gustavus J.
Fiske, Cyrus H.
Flanders, Fred F.
Lythgoe, Hermann C.
O'Brien, William B.
Trimble, Harry C.
Wright, John G.

Cambridge

Bodman, John W.
Greenbaum, George
Harrington, V. F.
Mark, Jacob Greenwood

Martino, Lawrence C.
Sieminski, Mitchell A.
Smith, Leighton B.
Squire, Frederick John
Wegrzyn, Stanley W.

East Walpole
Bailey, Bernard H.

Fall River
Greenup, Harold Wilson

Lowell
Olney, Louis Atwell

Malden
Noble, Royce J.

Marblehead
Lord, Erskine D.

Mattapan
Cowperthwaite, Irving A.

Nantucket
Breithut, Frederick E.

Newtonville
Atwood, F. C
Balyozian, Nicholas

Quincy
French, Berlin C.

Springfield
Kennelly, R. Grice

Williamstown
King, J. F.

Winter Hill
Berggren, Ruth E. L.

Worcester
Bullock, Jesse L.
Charron, Roy C.
Coleman, George W.
Davis, Lewis
Merigold, Benjamin S.
Sullivan, Joseph J.

Wrentham
Bixby, Emily May

MICHIGAN

Battle Creek
Lindow, Carl W.
Roberts, Willard L.
Thompson, Joseph John

Detroit
Cadwell, Sidney M.
Hovey, Almon G.
Krumbhaar, William
Macy, Icie G.
Norton, Arthur J.
Snyder, Andrew J.
Sutton, Carroll R.

East Lansing
Clark, Arthur J.
Huston, Ralph C.

Flint
Ford, J. T.

Grand Rapids
Way, Elmer F.

Houghton
Dewitt, C. C.

Kalamazoo
Koten, Irvin A.

Midland
Grebe, John J.

Saginaw
Lindfors, K. R.

Wyandotte
Nelson, Henry H.
Vaughn, Thomas H.

MINNESOTA

Brainerd
Eastman, Irene M. H.

Duluth
Cothran, John C.

Hibbing
May, George E.

Le Sueur
Scott, G. C.

Minneapolis
Cade, Arthur R.
LaCraft, Dail C.

Miller, Sidney E.
Smith, Lee Irvin

St. Paul

Wilson, John L.

Winona

Minne, Nels

MISSOURI

Columbia

White, Mollie G.

Fayette

Gordon, Neil E.

Kansas City

Harrouff, Earl R.

Rolla

Monroe, C. J.

St. Louis

Bratton, G. S.
Doisy, E. A.
Kirkpatrick, Arnold
Pastene, A. J.
Renoll, Mary

MONTANA

Bozeman

Burke, Edmund, Sr.

Helena

Neuman, E. W.

NEBRASKA

Miller

Christensen, Leo M.

NEVADA

Midas

Stoddard, Carl Kerby

Reno

Adams, Wayne B.
Dinsmore, Sanford C.
Harris, Cecil K.
Miller, Meredith R.
Randall, Edward L.
Rawles, William T.

NEW HAMPSHIRE

Berlin

Glidden, K. E.
Schur, M. O.
Webber, Robert Alfred

Dover

Endres, Herbert A.

Exeter

Segerblom, Wilhelm

Tilton

Crawford, John W.

NEW JERSEY

Arlington

Fields, Reuben T.

Bayonne

Dodge, F. D.
Lamont, Jean
McGinn, Charles E., Jr.
Schott, John E.
Stark, Hannah C.
Tyler, Walter S., Jr.
Waters, Charles E.

Belmar

Higley, L. Allen

Birmingham

Calmon, Calvin

Bloomfield

Allen, Ivey, Jr.
Atkinson, John V.
Bender, Howard L.
Brock, Frank P.
Butler, William H.
Casselman, Ralph T.
Catlow, William R., Jr.
Coe, John M.
Courtney, Robert P.
Erikson, Carl W.
Hanson, Ernest R.
Hemperly, William F.
Klarmann, Emil
McBride, Edward T.
McCullough, Kenneth V.
Moore, Robert J.
Mostello, Anthony J.
Nash, Clarence A.
Pettit, Alfred, Jr.
Rankin, Lanning P.
Redman, Lawrence V.
Roughead, William G.
Schrimpe, Conrad F.
Shuey, Ralph C.
Skow, Norman A.
Turkington, Victor H.

Wakefield, Harold F.
Weelands, J. E.
Weith, Archie J.
Woods, Mary P.

Bound Brook

Adams, Frederic H.
Ahlbeck, Harry W.
Amick, Chester Albert
Anderson, R. S.
Bacon, Raymond Charles
Benbrook, Charles H.
Brannon, James L.
Brewer, W. O.
Conn, Robert C.
Crossley, M. L.
Dolt, Maurice L.
Fletcher, Robert J.
Foote, J. Wilford
Herzog, J. V.
Hill, A. Garrett
Hoffman, Harry A.
Honish, John K.
Hultquist, Martin E.
Kienle, Roy H.
Kline, Harry
Klipstein, Kenneth H.
Lacey, H. T.
Laury, N. A.
Lecher, H. Z.
Lindenthal, Walter H.
Lombardo, Joseph B.
Mader, William J.
Medcalf, Eugene C.
Merz, August
Molinari, Vittorio
Munro, Wendell P.
Northey, E. H.
Norton, A. R.
Peiker, Alfred L.
Perry, Leslie L.
Pfeiffer, Burton L.
Royer, George L.
Sand, Ole O.
Scalera, Mario
Seaman, William
Shive, Roy A.
Smyth, Glen M.
Tchorni, David L.
Ticknor, Arthur A.
West, Byron L.
Whiting, Stanley H.
Wilder, Frank W.
Wintringham, Andrews C.
Woodson, D. P., Jr.

Camden

Haines, Edward C.

Carlton Hill

Wood, P. J.

Carteret

Sanders, J. P.

Cranford

Sowa, F. J.

Delawanna

Cifelli, Thomas, Jr.

Dover

Aaronson, Henry A.
Allison, Vernon C.
Dunkle, Cyrus G.
Rinkenbach, William H.
Scharf, Reinhard W.

East Rutherford

Kirschbraun, L.

Edgewater

Gudheim, Arne R.
Lang, Louis

Elizabeth

Gebert, Emery B.
Lange, Alfred R.
Roon, Leo
Schmidt, E. H.
Sweeney, W. J.
Williams, Arthur S.

Garfield

Reynolds, Blythe M.

Gibbstown

Filbert, William F.

Gloucester City

Nonamaker, Frederick C.

Grasselli

Zimmerman, Bernhard G.

Harrison
Briod, André E.
Buxton, Loran O.
Davis, Lloyd W.
Hale, D. R.
Kelley, Maurice J.
Licata, Francis J.
Noniewicz, Mary
Price, Donald
Robinson, Edwin A.
Simons, Eric J. H.
Steik, Karl T.
Wechsler, Ralph
Wolfson, Jacob

Hasbrouck Heights
Sohon, M. D.

Hillside
Tibbetts, Isabel W.

Hoboken
Conner, Robert T.
Jacobus, David D.
Winninghoff, W. J.

Jersey City
Eldred, Frank R.
Hohman, Arthur J.
Ittner, Martin H.
Jeffs, Bernard
Layng, Edwin T.
McConlogue, W. A.
Orelup, John W.

Kearny
Bonney, Robert D.
Meredith, Howard J.

Lebanon
McIntire, William C.

Lincoln
Northcutt, Robert T.

Linden
Cheney, Lowther B.
Lieber, Eugene
Miller, Pharis
Peterson, John Albert
Porter, J. M.
Wright, William

Lodi
Schmeidler, Robert

Lyndhurst
Jehle, Joseph F.
Kosches, Norris R.

Manasquan
Hartwig, Carl E.

Manville
Badollet, Marion S.
Cummins, Arthur B.
Plauka, John W.
Vieweg, Hermann F.

Maplewood
Summers, Donald B.

Maurer
Smith, Preston R.

Metuchen
Billman, Alice E.

Milltown
Reichardt, Charles H.

Montclair
Ellis, Carleton
Hessel, Frederick A.
Keegan, Wilbur Vincent
Whitner, Thomas C.

Newark
Allen, Edward R.
Arrowsmith, Clarence J.
Bateman, George J.
Cosgrove, John F.
Denslow, Roy R.
Doubleday, Ralph S.
Edel, Albert E.
Eisenman, Herschel I.
Entner, Bernard J.
Erskine, Archibald M.
Fishkind, David
Fosbinder, Russel J.
Freundlich, Leo
Genstein, Edgar S.
Giesy, Paul M.
Goldstein, Jacob C.
Hartmann, Alfred E.
Hunt, William H.
Jenness, Leslie G.
Lawellin, Samuel J.
Lichtin, James J.
Little, Ernest

Maine, Louis
McKim, Walter A.
Mehlenbacher, V. C.
Meier, Frank A.
Melsheimer, L. A.
Merkle, George E.
Parks, Harold C.
Rattiner, A. Alan
Rauh, Robert E.
Saphier, Julian
Smith, Richard C.
Turno, Irene A.
Walsh, Thomas J.

New Brunswick
Cottle, D. L.
Entemann, Charles E., Jr.
Garard, Ira D.
Ginsburg, Joseph M.
Lott, W. A.
Read, William Thornton
Rieman, William, 3rd
Rudolfs, Willem
Smith, Joseph
Van der Meulen, Peter A.
Waddell, James
Wing, Henry J.

North Bergen
Goldin, Abraham S.

Parlin
Hillman, William P., Jr.
Pitman, Earle C.
Sease, Virgil B.

Passaic
Belcher, Thomas L.
Gibbons, Willis A.

Paterson
Bigeleisen, Jacob
Boustead, John
Shafer, Lincoln M.
Snyder, William
Vesce, Vincent C.

Paulsboro
Francis, Alfred W.
Pratt, Malcolm F.

Penns Grove
Kirk, William

Perth Amboy
D'Eustachio, Gabriel
Sayre, Ralph

Point Pleasant
Chalkley, Lyman

Princeton
Hulett, George A.
Wallis, Everett S.

Rahway
Marsiglio, E. F.
Quinn, Edmond John
Rosin, Joseph
Rudd, Julius F.
Treacy, C. S.
Wheat, Thomas G.

Ridgefield
Lusskin, Abraham

Roselle
Goulden, H. D.

Sewaren
Derick, C. G.

Short Hills
Benedict, Prieth F.

South Amboy
Nelson, Walter K.
Plechner, Walter William

South Orange
Weber, M. G.

Teaneck
Kroner, Albert J.
Rohrs, Frank A.
Wait, Justin F.

Trenton
Becher, Hubert L.
Burgess, Kenneth E.
Koenig, Walter J.
Worley, Robert A.

Union City
Kurtz, Jacob

Upper Montclair
McLachlan, Robert W.
Reed, Rufus D.

Verona
Riley, Horace E.

Westfield
Helfrich, John
Pollock, Abraham A.

West Orange
Moulton, J. D.
Olsen, J. W

Wyckoff
Manwaring, Frederick G.

NEW MEXICO

Albuquerque
Clark, John D.

Socorro
Smithson, Frederick C. M.

NEW YORK

Albany
Bronson, Barnard S.
Paul, Ira

Alfred
Saunders, Paul C.

Bainbridge
Harford, Zaida M.
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Supplee, G. C.

Bayside, L. I.
Eckhardt, Henry, Jr.

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Barnett, Robert Spencer
Opolonick, Nicholas

Beckersville
Beckers, William G.

Binghamton
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Dargan, W. H.
De Phillips, Henry N. A.
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Dunning, Preston M.
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Engelhardt, Carl L.
Evans, Raymond N.
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Feinstein, Hyman J.
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Flaumenhaft, Irving
Fredrickson, James A.
Frey, Joseph
Gardner, William Howlett
Gilbert, Henry I.
Goodman, Leo A.
Gordon, A.
Haight, Margaret
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Hale, William L.
Hart, David
Held, Kalman
Henderson, James S.
Horton, William S.
Howard, Leo
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Kinstler, Milton C.
Kirk, Raymond E.
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Marshall, Louis
Mattiello, Joseph
McKeen, J. E.
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Snell, Foster Dee
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Zahnd, Hugo

Buffalo

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Canajoharie

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Genoa

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Szymanowitz, Raymond

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Van Doren, Lloyd
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Weaver, F. F.
Weisberg, Louis
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Yonkers
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Verbyla, A. E.

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Warren

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Bridgeville
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Bryn Mawr
Shull, Kenneth E.
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Austin, John F.
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Blancaflor, Luciano
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Edgar, D. E.
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Horn, David Wilbur
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KEYS		BUTTONS (Plated posts & backs)		PINS	
14k.	gold — $8.50	14k.	gold — $2.75	14k.	gold — $3.25
10k.	" — 7.00	10k.	" — 2.25	10k.	" — 2.75
Rolled	" — 1.50	Rolled	" — .75	Rolled	" — .75
Bronze	" — 1.15				

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Daily use gives daily proof of their positive economies. No matter how small your budget, you will find that for year-in and year-out savings, it pays to insist on Pyrex brand Laboratory Glassware.

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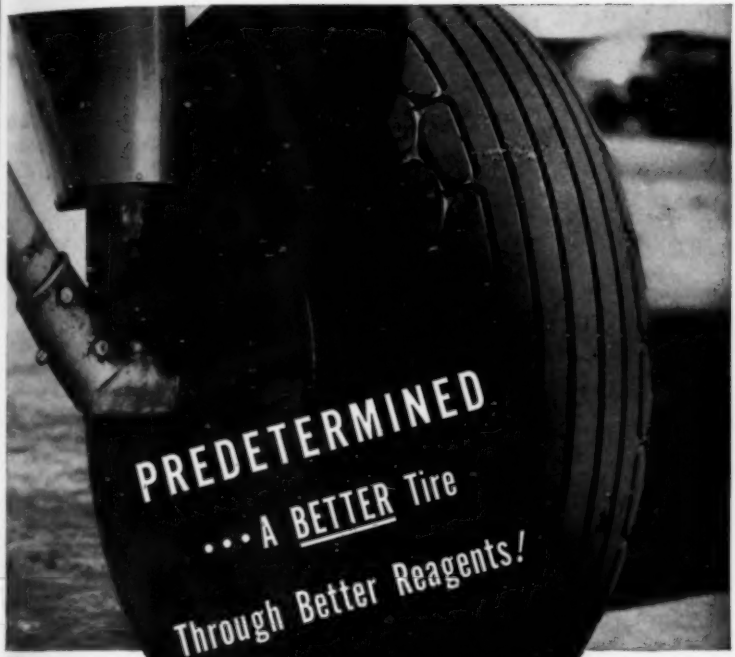

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